PROFORMA FOR ANNUAL REPORT 2022 (Jan-Dec)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra-Poonch, (SKUAST-Jammu) Qazi Morah, Poonch-185 101, 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	
SKUAST-Jammu, Main Campus, FOA CHATHA, Jammu-180009 J&K	0191-2262028	0191-2262028	direxts kuastj@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:

1.5. Staff Position (as on 31st March 2023)

S. No.	Sanctioned post	Name of the incumbent	Age	Discipline with highest degree obt.	Pay Band & Grade Pay (Rs.)	Date of joining at present post	Permanent / Temporary	Contact Details	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	vacant	-	-	-	-	-	-	-
2	Subject Matter Specialist	Dr. Ajay Gupta	46	Agronomy	L13	28/10/2014	Permanent	7889834416 mahajan.ajay@gmail.com	General
3	Subject Matter Specialist	Dr. Muzaffar Mir	46	Fruit Science	L11	01/07/2014	Permanent	9906829716 drmuzaffarcqar @gmail.com	General
4	Subject Matter Specialist	vacant	-	-	-	-	-	-	-
5	Subject Matter Specialist	vacant	-	-	-	-	-	-	-
6	Subject Matter Specialist	vacant	-	-	-	-	-	-	-
7	Subject Matter	vacant	-	-	-	-	-	-	-

	Specialist								
8	Programme Assistant	Dr. S.S. Jamwal	41	Fruit Science	L10	14/08/2008	Permanent	sudjam1362@gmail.com 9419132898	General
9	Computer Programmer	Sh. Mohd. Qasim	35	Computer Sciences	L6	03/06/2012	Permanent	qasimazad99@gmail.com 9419388999	ST
10	Farm Manager	Dr. Mushtaq Ahmad Guroo	37	Entomology	L10	03/07/2012	Permanent	gurookvk@gmail.com 6006143454	General
11	Accountant /Superintendent	vacant	-	-	-	-	-	-	-
12	Stenographer	vacant	-	-	-	-	-	-	-
13	Driver	Sh. Jagroop Singh			L7	27/07/2017	Permanent	(Attached at Head office)	General
14	Driver	Sh. Mohd. Aslam			L4	23/08/2010	Permanent (Attached at MBRSS)	9070001194	General
15	Supporting staff	vacant	-	-	-	-	-	-	-
16	Supporting staff	Sh. Kewal Kishore			SL3	23/08/2010	Permanent	8803252063	OBC

1.6. Total land with KVK (in ha):

:

S. No.	Item	Area (ha)
1	Under Buildings	0.99
2.	Under Demonstration Units	0.20
3.	Under Crops	2.20
4.	Orchard/Agro-forestry	0.06
5.	Others (specify)	

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							
	1	ICAR	15.03.2011	400		2008		Completed
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units							

	Green Shade Net (3)	ICAR	2021	300	0.03	2021		completed
	Polyhouse/Fruit Nursery	ICAR		200	0.02	2015		completed
	Hi-Tech Polyhouse	EPHS		200	0.02	2017		completed
	Vermi compositing Unit	ICAR		15	0.0015	2020		completed
	Pecan nut/Walnut Block	ICAR + NABARD		600	0.06	2021		Completed
5	Fencing	ICAR + EPHS				2017		
6	Rain Water harvesting system	KVK grant	-	270	-	2014	-	Temporary
7	Threshing floor	ICAR	-	112	-	2008	-	completed
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles (UPTO 31 DEC 2022)

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2008	4,30,000	Transferred to KVK Rajouri	
Tata Sumo	2010	5,98,973	63766 KM	Good
Motorcycle	2012	45,202	35437 KM	Good
Mini Tractor	2017	293800	70 hours.	Good

C) Equipments including Tractor & AV aids

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

Garden tool kit	2017	3700	Good
Nikon camera	2017	32000	Good
Lcd projector sony	2017	120000	Good
Led Display board	2017	66868	Good
Agmatel podium	2017	149900	Good
Interactive board	2017	44655	Good
Lcd projector sony	2017	91800	Good
Handycamsony	2017	21500	Good
HP Laptop	2017	60000	Good
Digital Xerox machine	2017	82500	Good
Power tiller	2017	156985	Good
Tractor trolley	2017	99984	Good
HP Laptop	2017	49900	Good
All in one	2017	98162	Good
Printer	2017	11600	Good
Genset	2017	368910	Good
Seed treatment drum (3 nos.)	2017	8130	Good
Wheel hoe (4 Nos.)	2017	4840	Good
Laptop (01) TSP	2018	55589	Good
LED Sony Bravia (01)TSP	2018	41349	Good
Computer (05) TSP	2018	225250	Good
Printer (01) TSP	2018	10900	Good
Domestic water heater 02	2020	10960	Good
20 knapsack sprayer	2020	28000	Good
Whitehouse 50ltr	2021	12400	Good
SINE wave Invertor Luminous 3 KVA	2021	24995	Good
RC18000V18 Luminous 150AH	2021	47172	Good
Printer 3-in-1 HP 416 Inktank	2022	14900	Good
Leo handled brush cutter	2022	24990	Good
clartech floor mill kit	2022	23900	Good
Petrol engine hedge trimmer	2022	16000	Good
Tilling attachment	2022	4300	Good
Spray pump	2022	18900	Good
Chain Saw	2022	2900	Good
Weeding attachment	2022	3500	Good
Paddy Attachment	2022	1599	Good
4-tier stand for poly house (10x2x4.5)	2022	9061	Good
poultry structure (6x4x3)	2022	12094	Good
HP 3 IN 1 INK TANK PRINTER 416	2022	14900	Good
Automatic Bulb Planter	2022	1000	Good

1.8. A). Details SAC meeting* conducted in the year (Jan-Dec) 2022

The 12th Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, Poonch was organized on 27th December, 2021 in the Conference Hall of KVK, Poonch. The meeting was chaired by Professor J. P. Sharma, Hon'ble Vice Chancellor, SKUAST-Jammu and was attended by Dr. S. K. Gupta, Director Extension, SKUAST-Jammu, First lady of SKUAST-Jammu, Dr. Sumati Sharma, Scientist DRDO, Dr. Vikas Sharma, In-charge RARS Rajouri, Dr. Praveen Singh, In-charge MBRSS, Poonch, Dr. Pawan Sharma, Scientist Agriculture Economics, Directorate of Extension and Dr. Narinder Panotra, Scientist, Organic Farming and Research Centre (OFRC) Chatha and district officers of line departments and progressive farmers of district Poonch (Annexure I). The meeting started with the welcome address presented by Dr. S. K. Gupta, Director Extension. Dr. Ajay Gupta, Member Secretary, SAC and Sr. Scientist & Head, KVK Poonch presented the agenda items as given under:

Agenda Items	Title
Agenda Item - 1	**Confirmation/Approval of Proceedings of 11th SAC meeting held on 30th December, 2020** Proceedings of the 11th SAC meeting were circulated among all the members of SAC and since no queries received from any of the members, the same were confirmed by the house.
Agenda Item - 2	**Action Taken Report of 11th SAC Meeting of KVK Poonch held on 30th December, 2020** Action taken on the recommendation of the members of SAC during 11th SAC meeting was presented before the house. (Annexure-I)
Agenda Item - 3	**Financial Expenditure for the year 2021-22** The financial expenditure of KVK-Poonch for the year 2021-222 (January to December 2021)was presented before the house.
Agenda Item – 4	**Presentation of Progress Report (30th December 2020 to 24th December, 2021)** Progress report of KVK w.e.f. 30th December 2020 to 24th December, 2021) was presented before the house.
Agenda Item – 5	**Achievements of Externally Funded Projects for the year 2021-22** The overall achievement of externally funded projects for the year 2021-22 (up to end December) was presented before the house
Agenda Item – 6	**Action plan for the year 2021-22 (January 2022 to March 2022).** The action plan for the remaining three months of the year 2021-22 (January to March 2022) was presented in detail before the house.

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

Chief Horticulture Officer, Poonch while applauding and acknowledging the support of KVK for working in tandem with Horticulture Department Poonch in conducting various training programmes and Farmer scientist interactions, informed the house that in spite of the repeated requests, Directorate of Horticulture is not in a position to provide the grafted quality planting material of pecans and walnuts, as such KVK Poonch may be requested to help in providing the same so that it may not act as a constraint for achieving the target. Besides, two meetings one in rainy season and one in winter season may be conducted regularly with prior notice of three months in advance so that none of the participant may raise the objection of non-availability in view of the time constraint. The Chairman instructed I/c Sr. Scientist & Head, KVK Poonch to provide full possible cooperation to Department of Horticulture Poonch in providing the quality grafted planting material and instructed the I/c Sr. Scientist & Head and SMS, Fruit Science that one month prior notice may be given to the participants for attending the meetings during rainy and winter season. The Chairman assured Chief Horticulture Officer that Department can utilize the services of Scientists of KVK Poonch, as and when required.

(Action: KVK Poonch, SMS (Horticulture) & Department of Horticulture)

Chief Animal Husbandry officer suggested that enough funds are lying with department of Animal Husbandry under different schemes for achieving the objectives of live-stock mission. As such he requested the chairman that KVK is requested in execution of animal camps with available funds of livestock mission. Director Extension said that department of Animal Husbandry can be provided and utilize the services of Scientists of Faculty of Veterinary Sciences, SKUAST-Jammu, R.S. Pura as and when required through advance intimation to Directorate of Extension, SKUAST-Jammu so that timely services can be ensured.

(Action: KVK Poonch, Department of Animal Husbandry)

District Sheep Husbandry Officer requested Chairman for urgently recruiting one post of SMS Animal husbandry in KVK so that the services of same can be utilized as and when needed. The chairman assured the members that all scientific posts of KVK will be absorbed in the shortest span of time for the coordination and services of line departments as well as for the proper functioning of KVK.

(Action: SKUAST-Jammu)

During the meeting Mrs. Anjana Badyal, station head, All India Radio (AIR) Poonch assured that AIR Poonch will provide the access in live broadcasting of any programme related to agriculture as and when approached by KVK for the betterment of farming community.

(Action: KVK Poonch)

During the meeting, progressive farmer, Sh. Jagjit Singh appreciated the guidance and help provided by scientists of KVK Poonch in the field of agriculture and allied sciences. He also raised the issue of providing new seeds of Maize crop having high productivity. Chairman directed Sr. Scientist and Head to suggest some new maize hybrids to the farmers. On the request of Sr. Scientist and Head to apprise the farmers about new hybrids, Dr. Praveen Singh, In-charge MBRSS, Poonch said that maize hybrids like Vivek-43 and Vivek-53 have the high yield potential. Besides, a composite of Poonch station namely JMC-3 has also high yield potential and is recommended for cultivation. Another progressive farmer namely, Shri. Mohd. Sharief of Bandichechian appreciated the efforts of KVK Scientists in reaching to farmers of border areas and providing quality seeds, guidance in terms of package of practices to be followed for increasing the farming income and other valuable guidance depending upon the queries raised by the framers.

(Action: KVK Poonch)

In his presidential address, Chairman SAC committee while appreciating and applauding the efforts of KVK Poonch in reaching out to farming community of this border district directed Sr. Scientist & Head to engage and encourage more farmers for participation in Farmer Producer Organisations (FPO) inaugurated at Mandi and Degwar. He said that in order to increase the income of farming community crop diversification and commercialization of agriculture has become compulsory and in this regard, role and responsibility of FPOs becomes very essential as the latter can help and ensure an ordinary farmer to increase his production with better and timely marketing facilities. He impressed upon Directorate of Extension to reach out to every area and identify niche areas that are suitable for growing different types of commercial crops like saffron (*Crocus sativus*), kala zeera (*Elwendia persica*), lavender (*Lavandula angustifolia*) etc. besides other medicinal and aromatic plants. Citing the example of saffron cultivation in Pampore area of Kashmir, he said that an income of

10 lakh per ha is easily achieved by an ordinary farmer by growing such crop. He impressed upon Director Extension that same can be replicated in such areas of Jammu region like Poonch possessing the similar climatic conditions. Chairman directed Sr. Scientist and Head to identify such areas in Poonch where crop diversification is possible and how change in cropping can actually help in increasing the economic returns of farmers. Stressing upon the officers of line department, the chairman said that the lack of coordination among the different departments is the primary reason that hinders the progress of farmers and as such pressed upon the KVK that a roadmap in cooperation with other departments may be developed for the better economy of farmers. He also directed Sr. Scientist and Head, and Scientist Fruit Science KVK to provide good quality grafted walnut plants to Central Agriculture University Imphal as the latter has requested for the same.He directed Sr. Scientist and Head to study the impact of scientific technologies and vocational training programmes that are promoted and delivered to farming community and present the same in next SAC Meeting. While discussing the examples of progressive farmers who have realized higher income in agriculture, he explained that various models including Integrated farming system can enhance the farmer's income. In order to minimize the post- harvest losses, he directed Sr. Scientist and Head, and Scientist Fruit Science KVK along with members of line department to focus on processing and value addition and management of post-harvest loss should be the part of every training programme. He also impressed to focus more on animal husbandry, poultry and fishery as the latter is going to be a viable alternative in coming years and may contribute 40-50% to total farming income. He also directed Sr. Scientist and Head to ensure and popularize the usage of soil health cards as the latter will nullify the excessive use of toxic chemicals that farmers use carelessly.

(Action: KVK Poonch, Department of Agriculture)

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

Annexure I

List of Participants in 12th SAC meeting held on 27th of December, 2021

S. No.	Name	Designation
1.	Professor J. P. Sharma	Hon'ble Vice Chancellor SKUAST-Jammu (Chairman)
2.	Dr. Sumati Sharma	Scientist, DRDO
3.	Dr. S. K. Gupta	Director Extension, SKUAST-Jammu
4	Dr. Vikas Sharma	In-charge RARS, Rajouri
5.	Dr. Praveen Singh	In-charge MBRSS Poonch
6.	Dr. Narinder Panotra	Sr. Scientist Extension, Directorate of Extension
7.	Sh. Akshay Choudhary	Chief Agricultural Officer, Poonch
8.	Dr. Ravi Kumar Bhardwaj	Chief Animal Husbandry Officer, Poonch
9.	Sh. Satvir Singh	Chief Horticulture Officer, Poonch
10.	District Sericulture Officer	District Sericulture Officer, Poonch
11.	Dr. Ashish Gupta	District Sheep Husbandry Officer, Poonch
12.	Sh. Shabir Ahmad	I/c Ext. Officer Fisheries Poonch
13.	District Forest Officer	Representative (DFO) Poonch
14.	Mrs. Anjana Badyal	Station Head, AIR Poonch
15.	Dr. Pawan Sharma	Scientist Agriculture Economics, Directorate of Extension
16.	Sh. Vikas Sharma	Banking Associate, Poonch
17.	S. Jagjeet Singh	Progressive farmer
18.	Sh. Mohd. Sharief	Progressive Farmer
19.	Dr. Muzafar Mir	Scientist, Fruit Science, KVK ,Poonch
20.	Dr. Sudhir Singh Jamwal	Programme Assistant (Trainings) KVK, Poonch
21.	Dr. Mushtaq Ahmad Guroo	Farmer Manager KVK Poonch, Rapporteur
22.	Dr. Ajay Gupta	Member Secretary, SAC Sr. Scientist & Head, KVK, Poonch,

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

2. DETAILS OF DISTRICT (2022) (Jan-Dec):

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

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 ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January 2022	296.00	N.A.	N.A.	N.A.
February 2022	120.00	N.A.	N.A.	N.A.
March 2022	26.10	N.A.	N.A.	N.A.
April 2022	37.00	N.A.	N.A.	N.A.
May 2022	58.10	N.A.	N.A.	N.A.
June 2022	135.20	N.A.	N.A.	N.A.
July 2022	434.60	N.A.	N.A.	N.A.
August 2022	221.40	N.A.	N.A.	N.A.
September 2022	130.20	N.A.	N.A.	N.A.
October 2022	96.10	N.A.	N.A.	N.A.
November 2022	106.10	N.A.	N.A.	N.A.
December 2022	0.00	N.A.	N.A.	N.A.
Total	**1660.8**	**N.A.**	**N.A.**	**N.A.**

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

Category	Population	Production	Productivity
Cattle			
Crossbred	53432	36000 MT (Milk)	5 lts/day in 305 days
Indigenous	38626	18000 MT (Milk)	3 lts/day in 305 days
Buffalo	113284	45000 MT (Milk)	3 lts/day in 305 days
Sheep			
Crossbred	128926	Mutton 26.389 lakh kg Wool 2.957 lakh kg	
Indigenous	30640	151900	
Goats	134678	653600	
Pigs	--	--	--
Crossbred	--	--	--
Indigenous	--	--	--
Rabbits	21	--	--
Poultry			
Hens	--	--	--
Desi	--	--	--
Improved	183708	127 Lakh eggs	80 eggs/layer/year
Ducks	--	--	--
Turkey and others			

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

2.7 Details of Operational area / Villages (2022) (Jan-Dec)

S.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Poonch Haveli	Haveli	Madari Magnad Jhallas, Nangali, Salotri, Digwar, Bandi Chechian,	Maize (*Zea mays*), Paddy (*Oryza sativa*), Wheat, 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. - Introduction of Natural Farming
2	Mandi	Mandi	Sathra, Rajpura, Mandi, Loran, Saujian	Maize (*Zea mays*), Rajmash (*Phaseolus* sp.), walnut appler & apricot	- Low Productivity in fruit crops - Attack of insect pest in rajmash under mixed cropping - Large Mono-cropped area	- INM & IPM and - --Training & Pruning -INM in fruits

3	Loran	Surankote, Bufliaz	Loran Sib Butterkot	Maize(*Zea mays*) Rajmash (*Phaseolus* sp.)	- Low Productivity in maize - Large Mono-cropped area -	- Seed treatment - -SCH in maize - Training & Pruning -
5.	Balakote		Balakote	Maize (*Zea mays*)	- Low productivity in maize - Low productivity in pomegranate -	- INM & IPM in Maize - -Control of anar butterfly

2.8 Priority/thrust areas

Crop/Enterprise	**Thrust area**
Maize (*Zea mays*)	- Integrated Nutrient & Pest Management - Introduction of single cross hybrids
Paddy (*Oryza sativa*)	- Integrated Nutrient Management, IPM/IDM , Weed management
Wheat (*Triticumaestivum*)	- Standardization of Production technology under rainfed conditions, Weed management
Pulses Rajmash (Phaseolus vulgaris)	- Standardization of Production technology under rainfed conditions, High yielding improved varieties' Integrated Pest and Disease Management
Oilseeds	-Increasing area under Oilseeds
Fodder (oats)	Availability of green fodder round the year
Horticulture	
Fruits: Pear (*Pyruscommunis*)	Micro Nutrient Management, Rejuvenation of Old Orchards, IPM/IDM
Plum (*Prunusdomestica*),	Application of Micronutrients, Rejuvenation of Old Orchards, IPM/IDM
Apple (*Malussylvestris*)	Promoting INM, IPM/IDM
Walnut (*Juglans* spp.)	Production of quality planting material of walnut at KVK Farm
Pecan nut (*Carya illinoinensis*)	Production of quality planting material of pecanut at KVK farm
Strawberry (Fragaria × ananassa)	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 2022 (Jan-Dec)

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
05	05	25	25	11	11		

3.A.1 FLDs Conducted under CFLDs on Oilseed

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

3.A.2 FLDs Conducted under CFLDs on Pulses

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

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	26	32	520	667				
Rural youth	05	05	72	72				
Extn. Functionaries	05	02	70	17				
NICRA	02	03	60	95				
Natural farming	08	11	160	301				
T&V	05	01	100	08				

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
10.0	12.0	4000	6000

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	*Achievement*	*Target*	*Achievement*
NIL	NIL	1000	1000

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*
	Production Technology	Maize (PA-4794)	Low Productivity due to traditional varieties	-	Promotion of HYV					0.3		-	-	
	Production Technology	Rice (K-343)	Low Productivity due to traditional varieties		Promotion of HYV					1.08				
1	Fertility management	Wheat		Evaluation of nanourea on yield of wheat										
2	Fertility management	Oats		Evaluation of nano urea on yield of Oats										
3	Production Technology	Wheat	Low Productivity due to low yielding varieties	Performance of high yielding wheat varieties under Poonch conditions		**07**								
4	Production Technology	Wheat	Low Productivity due to low yielding varieties	Evaluation of some promising varieties under Poonch conditions										
5	Integrated Nutrient Management	Peach		Integrated Nutrient Management on Peach										

6	Production Technology	Wheat	Low Productivity due to traditional varieties		Promotion of Rainfed HYV					27.9				
07	Fertility management (Natural Farming)	Cereal/ Horticulture/ Vegetable Crops	Lack of knowledge of Natural Farming			11								
11	Production Technology	Oat	Scarcity of Fodder		Promotion of Oats in Poonch Distt.					27				
12	Fodder Crop production	Napier	Scarcity of fodder Mono cropping	-	Promotion of Napier hybrid on bunds for increasing fodder						2500 rooted slips			
13	Fertility management	Fodder Crops	Imbalance Use of Fertilizers			**1 (20)**								
Fruit Science				-	-		-	-	-	-	-	-		
14	Management of orchard	Apple	Low production due to low density of plants		Introduction of High Density Planting in Apple						800			
15	Management of orchard	Walnut			FLD on Quality Planting Material of Walnut						100			
16	Management of orchard	Walnut and Pecanut			FLD on Quality Planting Material						350			
17	Management of orchard	Lemon			FLD on Quality Planting Material of Lemon						800			
18	Horticulture	Vegetables	New Varietal Introduction		FLD on Vegetables									

19	Canopy Management	Fruit Crops	Lack of Scientific Knowledge of Training and Pruning			7 (132)		1 (10)						
20	Ultra High Density Planting	Fruit Crops	Lack of Scientific Knowledge of Management of Orchards			2 (41)								
21	Value addition in fruit and vegetables	Fruits and vegetables	Post harvest			2 (42)								
22	Fertility management	Fruit Crops	Imbalance Use of Fertilizers			1 (23)								
23	Vegetable Production Technology	Vegetables	Lack of Scientific Knowledge of Cultivation of Vegetables			2 (40)								
24	Protected Cultivation	Vegetables	Low Yielding Varieties			2 (42)								
25	Vegetable Production Technology	Winter Vegetables	Lack of Scientific Knowledge of Cultivation of Vegetables			3 (55)								
26	Management of Orchards	Fruit Crops	Poor Fruit Set/Pollination			1 (12)								
27	INM	Fruit Crops	Nutritional Disorders in Fruit Crops			2 (30)								
28	Management of Orchards		Lack of Scientific Knowledge on use of Horticultural Tool Kits			2 (78)								

Plant Protection														
29	IPM	Vegetable Crops	No use of Traps		FLD on Pheromone and Fruit Fly Traps						20			
30	IPM	Cereal/ Horticulture/ Vegetable Crops	Very little use of Knap sac Sprayers			1 (20)								

3.1 Achievements on technologies assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Tuber Crops	TOTAL
Varietal Evaluation	02								
Seed / Plant production									
Weed Management									
Integrated Crop Management	02					01			
Integrated Nutrient Management									
Integrated Farming System									
Mushroom cultivation									
Drudgery reduction									
Farm machineries									
Value addition									
Integrated Pest Management									
Integrated Disease Management									
Resource conservation technology									
Small Scale income generating enterprises									
TOTAL									

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

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

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

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

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

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds								

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

3.2. Achievements on technologies Assessed and Refined

3.2.1. Technologies Assessed under various Crops

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
Integrated Nutrient Management	Wheat	Evaluation of nanourea on yield of wheat	5	5	
	Oat	Evaluation of nanourea on yield of Oats	5	5	
	Peach	OFT on Integrated Nutrient Management in Peach	5	5	
Varietal Evaluation	Wheat	Performance of high yielding wheat varieties under Poonch conditions	5	5	
	Wheat	Evaluation of some promising varieties under Poonch conditions	5	5	
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

3.2.2.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					
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

3.2.3. Technologies assessed under Livestock and other enterprises

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

3.2.4. Technologies Refined under Livestock and other enterprises

Thematic areas	*Name of the livestock enterprise*	*Name of the technology assessed*	*No. of trials*	*No. of farmers*

Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

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

Trial 1

A. Technology Assessment

1.	Title	:	Effect of **nano urea on performance of wheat** in rainfed area
2.	Problem diagnose/defined	:	Low yield due to poor nitrogen use efficiency
3.	Details of technologies selected for assessment /refinement:		**Treatment I**: Farmer's practice (8 kg urea/kanal (50% basal+25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) %) **Treatment II**: 5 kg urea/kanal (3 splits: basal 50% +25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) (Recommended POP SKUAST-J) **Treatment III**: Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)
4.	Source of technology	:	Package of Practices of SKUAST-Jammu
5.	Production system thematic area	:	Rainfed
6)	Thematic area	:	Nutrient Management
7)	Performance of the Technology with performance indicators	:	Results recorded at farmers field revealed that the maximum grain yield and net returns was recorded from the treatment II (5 kg urea/kanal (3 splits: basal 50% +25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) (Recommended POP SKUAST-J)) followed by treatment III (Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)), whereas, the minimum grain yield and net returns was recorded from treatment I Farmers practice (8 kg urea/kanal (50% basal+25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) %)).
8)	Final recommendation for micro level situation	:	Trial stage to continue.
9)	Constraints identified and feedback for research	:	Non availability of spraying equipment and farmers reluctance to technology at initial stage .
10)	Process of farmers participation and their reaction	:	Farmers actively participated in the trial **and are less convinced** with the performance of nano-urea but were ready to continue trial it in the future.

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
						Tillers/ plant	Ear length (cm)		
Wheat	Rainfed	Low yield due to poor nitrogen use efficiency	Effect of **nano urea on performance of wheat** in rainfed area	05	Farmer's practice (8 kg urea/kanal (50% basal+25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) %)	2.6	15.57	maximum grain yield and net returns was recorded from the treatment II	
					Treatment II 5 kg urea/kanal (3 splits: nasal 50% +25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) (Recommended POP SKUAST-J)	4.7	16.10		
					Treatment- III Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)	3.4	15.93		

**** No. of farmers***

Technology Assessed	*Production per unit		Net Return (Profit) in Rs. / unit	BC Ratio
11	12	Straw	13	14
Farmer's practice (8 kg urea/kanal (50% basal+25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) %)	25.50	28.50	46101	2.16
Treatment II 5 kg urea/kanal (3 splits: nasal 50% +25 % at 25 to 30 DAS and 25% at boot stage (ear initiation) (Recommended POP SKUAST-J)	27.80	30.5	57122	2.59
Treatment- III Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)	26.10	28.80	51945	2.46

****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 2

1) Title : Effect of **nano urea on performance of oats** in rainfed area

2) Problem diagnose/defined: Low production due to poor nitrogen use efficiency

3) Details of technologies selected for assessment /refinement :

TI Farmers Practice (FYM+ Basal dose of DAP 6kg/kanal)

TII 40 kg N (basal) and 40 kg N/ ha (1 st cut i.e. 60- 70 DAS) (Recommended POP SKUAST-J)

T **III**: Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)

4) Source of technology : Package of practices of SKUAST-J

5) Production system thematic area : Rainfed

6) Thematic area : Nutrient Management

7) Performance of the Technology with performance indicators : Results recorded at farmers field revealed that the maximum green fodder yield and net returns was recorded from the treatment II (328q/ha) (40 kg N (basal) and 40 kg N/ ha (1 st cut i.e. 60- 70 DAS) (Recommended POP SKUAST-J)) followed by Farmers practice (302q/ha) (FYM+ Basal dose of DAP 6kg/kanal) whereas treatment III (Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)), recorded minimum green fodder yield and net returns.

8) Final recommendation for micro level situation : Trial stage to continue.

9) Constraints identified and feedback for research : Non availability of spraying equipment and farmers reluctance to technology at initial stage .

10) Process of farmers participation and their reaction : Farmers actively participated in the trial **and are less convinced** with the performance of nano-urea but were ready to continue trial it in the future

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
Oats	Rainfed	Low yield due to poor nitrogen use efficiency	Effect of **nano urea on performance of Oats** in rainfed area	05	Farmers Practice(FYM+ Basal dose of DAP 6kg/kanal)	Yield economics		maximum green fodder yield and net returns was recorded from the treatment II	
					16 kg N (basal) and 16 kg N/ acre (1 st cut i.e. 60- 70 DAS) (Recommended POP SKUAST-J)				
					Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)				

**** No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12 (green fodder/ha)	13	14
Farmers Practice(FYM+ Basal dose of DAP 6kg/kanal)	302	49960	2.44
16 kg N (basal) and 16 kg N/ acre (1 st cut i.e. 60- 70 DAS) (Recommended POP SKUAST-J)	328	57240	2.65
Nanourea @ 60 ml/kanal 25-30 DAS spray (Intervention)	270	41000	2.18

Green fodder @280/q

****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 3

1. Title	:	Effect of integrated nutrient management on yield and quality of peach
2. Problem diagnose/defined	:	Low yield due to imbalanced fertilizer application
3. Details of technologies selected for assessment /refinement:		**Treatment I**: Farmer's practice (Urea 500 g + 10 kg FYM) **Treatment II**: (280 g N) + (110 g P) + (330 g K) (Recommended dose, PoP, SKUAST-Jammu) **Treatment III**: 50 % RDF + FYM + Vermicompost + Azotobacter (Intervention)
4 Source of technology	:	Package of Practices of SKUAST-Jammu
5. Production system thematic area	:	Rainfed
6) Thematic area	:	Nutrient Management
7) Performance of the Technology with performance indicators	:	Results revealed that the maximum fruit yield and net returns was recorded from the treatment III (50 % RDF + FYM + Vermicompost + Azotobacter) (Intervention) followed by treatment II (280 g N) + (110 g P) + (330 g K) (Recommended dose, PoP, SKUAST-Jammu), whereas, the minimum fruit yield and net returns was recorded from treatment I Farmers practice (Urea 500 g + 10 kg FYM)
8) Final recommendation for micro level situation		: Trial stage to continue.
9) Constraints identified and feedback for research		:Non availability of organic sources and farmers reluctance to technology at initial stage .
10) Process of farmers participation and their reaction	:	Farmers actively participated in the On Farm Trial programme and are ready to continue trial it in the future.

B). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment		Feedback from the farmer
1	2	3	4	5	6	7		10
						Fruit yield kg/tree		
Peach	Rainfed	Low yield due to imbalanced dose of fertilizers	Effect of integrated nutrient management on yield and quality of peach	05	Treatment I- Farmer's practice (Urea 500 g + 10 kg FYM)	20.25	Maximum fruit yield and quality was recorded from Treatment- III 50 % RDF + FYM + Vermicompost + Azotobacter (Intervention)	Farmers are very much satisfied with the treatment and are willing to adopt integrated nutrient management practices in their peach orchards
					Treatment II- (280 g N) + (110 g P) + (330 g K) (Recommended dose, SKUAST-Jammu)	32.10		
					Treatment- III 50 % RDF + FYM + Vermicompost + Azotobacter (Intervention)	34.28		

* No. of farmers

Technology Assessed	*Production per unit(kg/tree)	Net Return (Profit) in Rs. / ha	BC Ratio
11	12	13	14
Treatment I-Farmer's practice (Urea 500 g + 10 kg FYM)	20.25	112625	2.12
Treatment II- (280 g N) + (110 g P) + (330 g K) (Recommended dose, SKUAST-Jammu)	32.10	482321	4.21
Treatment- III 50 % RDF + FYM + Vermicompost + Azotobacter (Intervention)	34.28	531215	5.32

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***

Trial 4

A. Technology Assessment

1. Title : Performance of high yielding wheat varieties under Poonch Conditions
2. Problem diagnose/defined : Low yield due to non-availability of high yielding varieties in rainfed areas
3. Details of technologies selected for assessment /refinement:
   Treatment I: Farmer's practice WH 1080
   Treatment II: HD 3237 (Recommended POP SKUAST-J)
   Treatment III: DBW 222 (Intervention) ICAR
4. Source of technology : Package of Practices of SKUAST-Jammu
5. Production system thematic area : Rainfed
6. Thematic area : Varietal evaluation
7. Performance of the Technology with performance indicators : Results showed that DBW 222 gave highest yield (4320kg/ha) and B:C ratio (2.29:1) followed by HD 2967(4060kg/ha) and B:C ratio (2.79:1)
8) Final recommendation for micro level situation : Trial stage to continue.
9) Constraints identified and feedback for research : Non availability of improved seed in seed supply chain and lack of knowledge.
10) Process of farmers participation and their reaction : Farmers actively participated in the trial and were satisfied with the performance of improved variety DBW 222 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
						Tillers/ plant	Ear length (cm)	Grains/ear	
Wheat	Rainfed	Low yield due to non-availability of high yielding varieties in Poonch	Performance of high yielding wheat varieties under Poonch Conditions	05	Farmer's practice WH 1080	5.6	13.2	40	Farmers actively participated in the trial and were satisfied with the performance of the variety DBW 222
					HD 2967 (Recommended POP SKUAST-J)	7.7	12.2	48	
					DBW 222 (Intervention) ICAR	6.4	13.1	51	

* No. of farmers

Technology Assessed	*Production per unit (12)		Net Return (Profit) in Rs. / unit	BC Ratio
11	Grain	straw	13	14
Farmer's practice WH 1080	32.8	40.2	69000	2.53
HD 3237 (Recommended POP SKUAST-J)	37.8	40.6	80650	2.79
DBW 222 (Intervention) ICAR	40.6	43.2	89550	2.99

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***

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

Trial 5

A. Technology Assessment

1. Title : Evaluation of promising wheat varieties under Poonch Conditions
2. Problem diagnose/defined : Low yield due to non-availability of location specific varieties in rainfed areas
3. Details of technologies selected for assessment /refinement:

Treatment I: Farmer's practice HS 490
Treatment II: (VL 907 Recommended POP SKUAST-J)
Treatment III: VL 2014 (Intervention)

4. Source of technology : Package of Practices of SKUAST-Jammu
5. Production system thematic area : Rainfed
6. Thematic area : Varietal evaluation
7. Performance of the Technology with performance indicators : Results recorded from the trial at farmers field revealed superior grain yield and returns with VL 2014 gave highest yield (3140kg/ha) and B:C ratio (2.97:1) followed by VL 907 (3080kg/ha) and B:C ratio (2.79:1)
8) Final recommendation for micro level situation : Trial stage to continue.
9) Constraints identified and feedback for research : Non availability of improved seed in seed supply chain and lack of knowledge.
10) Process of farmers participation and their reaction : Farmers actively participated in the trial and were satisfied with the performance of improved variety VL 2014 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
1	2	3	4	5	6	7	8	9		10
						Tillers/m2	Ear length (cm)	Grains/ear		
Wheat	Rainfed	Low yield due to non-availability of high yielding varieties in rainfed areas	Evaluation of high yielding wheat varieties under Poonch Conditions	05	Farmer's HS 490	226	10.1	42		Farmers actively participated in the trial and were satisfied with the performance of the variety VL 2014
					VL 907 (Recommended POP SKUAST-J)	202	9.8	37		
					Treatment III:VL 2014 (Intervention	232	10.0	40		

**** No. of farmers***

Technology Refined	*Production per unit		Net Return (Profit) in Rs. / unit	BC Ratio
12	13	Straw	14	15
Farmer's practice HS 490	28.6	29.4	59150	2.71
Treatment II VL 907 (Recommended POP SKUAST-J)	30.8	32	66700	2.93
Treatment III:VL 2014 (Intervention	31.4	32	68050	2.97

****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 2022 (Jan-Dec)

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														
	Cereals	Rainfed	Kharif 2022	Maize	PA-4794	PA-4794	Replacement of Traditional Varieties	SCHS	5.0	1.5	0	0	6	6	
		Rainfed	Kharif 2022	Paddy	K-343		Replacement of Traditional Varieties	SCHS	2.0	3.6	0	0	13	13	
		Rainfed	Rabi 2022	Wheat	HD-3086		Seed Replacement	Improved Variety	10.0	14.5	2	75	0	77	
	NICRA	Rainfed	Rabi 2022	Wheat	WH-1080		Seed Replacement	Improved Variety	-	8.85	59	0	0	59	
		Rainfed	Rabi 2022	Wheat	VL-953		Seed Replacement	Improved Variety	-	0.9	6	0	0	6	
		Rainfed	Rabi 2022	Wheat	VL-907		Seed Replacement	Improved Variety	-	4.25	26	0	0	26	
	Millets														
	Vegetables	Rainfed	Rabi 2022	Cabbage, Cauliflower, Knol Khol, Radish, Onion, Pea, Spinach	GA, Pusa Hybrid, Pusa Cabbage-1, PSBK I, PSBK-25, PSBR-25, Pusa Virat, W.V, Pusa Himani, JW, B_1 Spanish, Lincon, Pusa Harit.		Varietal Evaluation	Varietal Evaluation	-	0.2	0	11	0	11	
	Flowers														

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	
	Fruit	Rainfed		Apple	Golden and Red Delicious		Popularization of QPM in Apple		2.0	2.8	20	0	28	48	
		Rainfed		Lemon	Baramasi		Popularization of QPM in Lemon		2.0	3.2	3	45	0	48	
		Rainfed		Walnut and Pecanut	Mahan, Nilesh,SKJ-W		Popularization of QPM in Walnut and Pecanut		2.0	3.35					
	Spices and condiments														
	Commercial														
	Medicinal and aromatic														
	Fodder	Rainfed		Oats	Kent	NICRA	Replacement of Fodder Wheat with Oat	Introduction of Oat as Fodder Crop	8	27	10	31	0	41	
		Rainfed		Oats	Kent	TSP	Replacement of Fodder Wheat with Oat	Introduction of Oat as Fodder Crop	16.0	17.92	173	-	-	173	
		Rainfed		Napier Grass			Popularization of Napier Grass as Fodder Crop	Introduction of Napier Grass as Fodder Crop	1.0	2.50	7	23	2	32	
	Dairy	Rainfed		UMMB Blocks			Nutrition Management	Nutrition Management	-	---	-	-	-	42	
	Poultry														
	Piggery														
	Sheep and goat														

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	
	Button mushroom														
	Vermicompost														
	IFS														
	Apiculture														
	Implements														
	Others (specify)	Rainfed	Kharif 2022	Vegetables			Integrated Pest Management	Use of Pheromone and Fruit Fly Traps		6	1	10	1	12	

4.A. 1. Soil fertility status of FLDs plots during 2022 (Jan-Dec)

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											
	Pulses											
	Cereals											
	Millets											
	Vegetables											
	Flowers											

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Status of soil (Kg/Acre)*			*Previous crop grown*
									N	*P*	*K*	
	Fruit											
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder											
	Plantation											
	Dairy											
	Poultry											
	Piggery											
	Sheep and goat											
	Button mushroom											
	Vermicompost											
	IFS											

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	
	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																			
Cereals																			
	Replacement of Traditional Varieties	PA-4794	PA-4794	Rainfed	6	1.5	56.0	43.0	49.4	34.8	42	28100	89124	61024	3.17	23100	63200	40100	2.73
	Replacement of Traditional Varieties	K-343		Rainfed	13	3.6	48.0	35.1	40.75	34.5	18	33850	73350	39500	2.17	29950	62100	32150	2.07
	Seed Replacement	HD-3086		Rainfed	77	14.5	40.6	32.8	35.4	28.6	23.78	35600	79650	44050	2.24	33600	64350	30750	1.92
	Seed Replacement	WH-1080		Rainfed	59	8.85	36.2	27.2	31.6	28.6	10.49	40200	71100	30900	1.77	35600	64350	28750	1.81
	Seed Replacement	VL-953		Rainfed	6	0.9	33.8	25.0	31.0	28.6	8.39	34600	69750	35150	2.02	33200	64350	31150	1.94

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										
	Seed Replacement	VL-907		Rainfed	26	4.25	32.4	24.8	29.6	25.0	18.40	34600	66600	32000	1.92	31400	56250	24850	1.79
Millets																			
Vegetables	Varietal Evaluation	GA, Pusa Hybrid, Pusa Cabbage-1, PSBK I, PSBK-25, PSBR-25, Pusa Virat, W.V, Pusa Himani, JW, B_1 Spanish ,Lincon , Pusa Harit.		Rainfed	11	0.2													
Flowers																			
Fruit	Popularization of QPM in Apple	Golden and Red Delicious		Rainfed		2.8	48	Fruit bearing will start after 5/6 years											
	Popularization of QPM in Lemon	Baramasi		Rainfed	48	3.2	48	Fruit bearing will start after 5/6 years											
	Popularization of QPM in Walnut and Pecanut	Mahan, Nilesh, SKJ-W		Rainfed	48	3.35		Fruit bearing will start after 5/6 years											

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										
Spices and condiments																			
Commercial																			
Medicinal and aromatic																			
Fodder																			
	Introduction of Oat as Fodder Crop		Kent	Rainfed	41	27	320	276	296	244									
	Introduction of Napier Grass as Fodder Crop		Napier Grass	Rainfed	32														

@ green fodder @ Rs. 280/quintal
* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST ; H – Highest Yield, L – Lowest Yield A – Average Yield

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

Data on other parameters in relation to technology demonstrated					
Crop	***Technology to be demonstrated***	***Variety/ Hybrid***	***Parameter with unit***	***Demo***	***Check***
Brinjal	Pheromone traps	brinjal	Insect incidence	30%	60%
cucurbits	Fruit fly		Insect incidence	25%	80%

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																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

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

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

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

4. B.3. Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

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

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

4.B.4. Other enterprises

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

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

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

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

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

Sl.No.	***Activity***	***No. of activities organized***	***Number of participants***	***Remarks***
1	Field days	**12**	**184**	
2	Farmers Training			
3	Media coverage			
4	Training for extension functionaries	**02**	**17**	
5	Others (Please specify)			

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

A) **ON Campus**

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

Water management										
Seed production	5	0	0	0	96	21	117	96	21	117
Nursery management										
Integrated Crop Management										
Integrated Nutrient Management	1	0	0	0	17	3	20	17	3	20
Fodder production										
Production of organic inputs										
Others	1	10	8	18	16	6	22	26	14	40
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.)	1	2	3	5	10	4	14	12	7	19
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	6	0	6	13	8	21	19	8	27
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										

Production and Management technology										
Processing and value addition										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
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										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures										

production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
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	**10**	**18**	**11**	**29**	**152**	**42**	**194**	**170**	**53**	**223**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping	01	12	0	12	0	0	0	12	0	12
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Integrated Nutrient Management	01	4	0	4	3	0	3	7	0	7
Planting material production										
Vermi-culture/Vermicompositing	1	14	0	14	0	0	0	14	0	14
Sericulture										
Protected cultivation of vegetable crops	01	14	0	14	0	0	0	14	0	14
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	01	0	21	21	0	4	4	0	25	25
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	**5**	**44**	**21**	**65**	**3**	**4**	**7**	**47**	**25**	**72**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
Others	1	7	0	7	0	0	0	7	0	7
TOTAL	**1**	**7**	**0**	**7**	**0**	**0**	**0**	**7**	**0**	**7**

B) **OFF Campus**

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production	1	0	0	0	17	2	19	17	2	19
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables	1	0	0	0	5	18	23	5	18	23
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
Others	6	34	26	60	34	29	63	68	55	123
b) Fruits										
Training and Pruning	8	37	2	39	105	5	110	142	7	149
Layout and Management of Orchards	3	21	6	27	28	9	37	49	15	64
Cultivation of Fruit	1	7	2	9	5	1	6	12	3	15
Management of young plants/orchards	1	20	14	34	3	0	3	23	14	37
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation										

systems of orchards										
Plant propagation techniques										
Others	1	7	1	8	5	1	6	12	2	14
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										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										

Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**22**	**126**	**51**	**177**	**202**	**65**	**267**	**328**	**116**	**444**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										

Integrated Nutrient Management										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL										
(C) Extension Personnel										

Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
Others	1	10	0	10	0	0	0	10	0	10
TOTAL	**1**	**10**	**0**	**10**	**0**	**0**	**0**	**10**	**0**	**10**

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										

Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production	6	0	0	0	113	23	136	113	23	136
Nursery management										
Integrated Crop Management										
Integrated Nutrient Management	1	0	0	0	17	3	20	17	3	20
Fodder production										
Production of organic inputs										
Others	1	10	8	18	16	6	22	26	14	40
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables	1	0	0	0	5	18	23	5	18	23
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)	1	2	3	5	10	4	14	12	7	19
Others	6	34	26	60	34	29	63	68	55	123
b) Fruits										
Training and Pruning	8	37	2	39	105	5	110	142	7	149
Layout and Management of Orchards	3	21	6	27	28	9	37	49	15	64
Cultivation of Fruit	3	13	2	15	18	9	27	31	11	42
Management of young plants/orchards	1	20	14	34	3	0	3	23	14	37
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others	1	7	1	8	5	1	6	12	2	14
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										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										

Pearl culture										
Fish processing and value addition										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
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	**32**	**144**	**62**	**206**	**354**	**107**	**461**	**498**	**169**	**667**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping	01	12	0	12	0	0	0	12	0	12
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Integrated Nutrient Management	01	4	0	4	3	0	3	7	0	7
Planting material production										
Vermi-culture/vermicomposting	1	14	0	14	0	0	0	14	0	14

Sericulture										
Protected cultivation of vegetable crops	01	14	0	14	0	0	0	14	0	14
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	01	0	21	21	0	4	4	0	25	25
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	**5**	**44**	**21**	**65**	**3**	**4**	**7**	**47**	**25**	**72**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking										

among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
Others	2	17	0	17	0	0	0	17	0	17
TOTAL	**2**	**17**	**0**	**17**	**0**	**0**	**0**	**17**	**0**	**17**

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
08-11-2022	Farmer	Seed production of self - pollinated crops	Crop Production		01	KVK Poonch	0	0	0	19	3	22	19	3	22
10-11-2022	Farmer	Seed production of self - pollinated crops	Crop Production		01	KVK Poonch	0	0	0	13	5	18	13	5	18
12-11-2022	Farmer	Seed production of self - pollinated crops	Crop Production		01	KVK Poonch	0	0	0	23	3	26	23	3	26
14-11-2022	Farmer	Seed production of self - pollinated crops	Crop Production		01	KVK Poonch	0	0	0	22	6	28	22	6	28
24-11-2022	Farmer	Seed production of self - pollinated crops	Crop Production		01	KVK Poonch	0	0	0	17	4	21	17	4	21
25-11-2022	Farmer	Seed production of self - pollinated crops	Crop Production		01	Jhallas	0	0	0	19	2	21	19	2	21

HORTICULTURE															
03.01.2022	Farmer	Canopy management in fruit crops	Horticulture		01	Azamabad	0	0	0	15	0	15	15	0	15
04.01.2022	Farmer	Canopy management in fruit crops	Horticulture		01	Mandi	8	0	8	10	1	11	18	1	19
06.01.2022	Farmer	Canopy management in fruit crops	Horticulture		01	Sathra	0	0	0	27	2	29	27	2	29
11.02.2022	Farmer	Protected cultivation of vegetable crops	Horticulture		01	Khantear	0	0	0	5	18	23	5	18	23
12.02.2022	Farmer	Ultra high density plantation	Horticulture		01	Mandi	6	2	8	7	5	12	13	7	20
25.02.2022	Farmer	Ultra high density plantation	Horticulture		01	Sathra	11	1	14	5	0	5	16	1	17
26.02.2022	Farmer	Judicious use of fertilizers and manures in fruit crops	Horticulture		01	Jandrolla	10	3	13	7	3	10	17	6	23
02.03.2022	Farmer	Pollination Management in fruit crops and its effect on fruit set	Horticulture		01	KVK Poonch	0	0	0	10	2	12	10	2	12
03.03.2022	Farmer	Protected cultivation in vegetable crops	Horticulture		01	KVK Poonch	0	0	0	19	2	21	19	2	21
27.03.2022	Farmer	Training cum demonstration programme in NICRA village	Horticulture		01	Mangnar	20	14	34	03	0	03	23	14	37
19.04.2022	Farmer	Scientific cultivation of summer vegetables	Horticulture		01	Chandak	8	8	16	2	1	3	10	9	19
19.0	Farme	Nutritiona	Horticul		01	KVK	3	0	3	5	7	12	8	7	15

5.2022	r	l disorder in Fruit crops	ture			Poonch									
08.06.2022	Farmer	Scientific cultivation of summer vegetables	Horticulture		01	Khanetar	7	1	8	7	6	13	14	7	21
04.07.2022	Farmer	Nutritional cum physiological disorders in fruit crops	Horticulture		01	Azmabad	7	2	10	5	1	6	12	3	15
30.08.2022	Farmer	Value addition of fruits and vegetables	Horticulture		01	Mandi	3	14	17	0	11	11	3	25	28
16.09.2022	Farmer	Scientific cultivation of winter vegetables	Horticulture		01	Palera	9	2	11	4	0	4	13	2	15
11-10-2022	Farmer	Post-harvest management in fruit crops	Horticulture		01	Arai	7	1	8	5	1	6	12	2	14
18-10-2022	Farmer	Scientific cultivation of winter vegetables	Horticulture		01	Gulpur	2	0	2	13	4	17	15	4	19
25-10-2022	Farmer	Scientific cultivation of winter vegetables	Horticulture		01	Gundi	5	0	5	8	8	16	13	8	21
27-10-2022	Farmer	Canopy management in fruit crops	Horticulture		01	Sathra	0	0	0	18	1	19	18	1	19
28-10-2022	Farmer	Canopy management in fruit crops	Horticulture		01	Khanetar	7	2	9	6	1	7	13	3	16
30-10-2022	Farmer	Canopy management in fruit crops	Horticulture		01	Chandak	7	0	7	11	0	11	18	0	18
01-11-2022	Farmer	Canopy management in fruit crops	Horticulture		01	Gulpur	4	4	8	7	1	8	11	5	16
22-12-2022	Farmer	Canopy management of fruit crops	Horticulture		01	Kehnu	10	0	10	9	0	9	19	0	19

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants									Self employed after training			Number of persons employed else where
					Others			SC/ST			Total						
					Male	Female	Total	Male	Female	Total	Male	Female	Total	Type of units	Number of units	Number of persons employed	
Fruit Crops	15.02.2022 to 24.02.2022	Vocational training on value addition and food processing technology	Value addition	10	0	21	21	0	4	4	0	25	25				
Fertilizer dealership	10.05.22 to 24.05.2022	15 DAYS Training for fertilizer dealers		15	4	0	4	3	0	3	7	0	07				

Skill development training to MNREGA workers under UNNATI project

S.NO.	DATE	THRUST AREA	DAYS		NO. OF PARTICIPANTS
01	08-03-22 to 10-03-2022	Vermicomposting	03	No. ADDCP/PS/2021-22/2065-76, dated 04-03-2022	14
02	12-03-22 to 17-03-2022	Beekeeping	06		12
03	19.03.2022 to 25.03.2022	Protected cultivation & value addition in fruits & vegetable	07		14

***training title should specify the major technology /skill transferred**

(E) Sponsored Training Programmes conducted by KVK

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

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

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

			Discipline					Male	Female	Total	Male	Female	Total	Male	Female	Total
Total																

6. Extension Activities (including activities of FLD programmes) Jan-Dec 2022

Sl. No.	Nature of Extension Activity	Topic / crop	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.	Field Day	Oats	1	14	8	22	0	2	2	0	0	0	14	10	24
2.	Field Day	Wheat	2	10	7	17	7	4	11	0	0	0	17	11	28
3.	Field day	Apricot	1	9	6	15	5	0	5	0	0	0	14	6	20
4.	Field day	Plum	1	0	0	0	7	8	15	0	0	0	7	8	15
5.	Field Day	Parthenium	2	20	5	25	7	0	7	0	0	0	27	5	32
6.	Field Day	Napier Grass	1	8	0	8	3	0	3	0	0	0	11	0	11
7.	Field day	Fall army worm	1	10	0	10	0	0	0	0	0	0	10	0	10
8.	Field day	Fruit fly traps	1	10	0	10	0	1	1	0	0	0	10	1	11
9.	Field day	Walnut	1	7	0	7	7	2	9	0	0	0	14	2	16
10.	Field day	Pecan nut	1	0	0	0	14	4	18	0	0	0	14	4	18
	Total		**12**	**88**	**26**	**114**	**50**	**21**	**71**	**0**	**0**	**0**	**138**	**47**	**185**
11.	Kisan Mela	KRISHAK MELA 2022	1	111	66	177	176	97	273	10	0	10	297	163	460
12.	Kisan Mela														
	Total		**1**	**111**	**66**	**177**	**176**	**97**	**273**	**10**	**0**	**10**	**297**	**163**	**460**
13.	Kisan Ghosthi	Kissan Ghoshti and distribution of UMMB Blocks	**1**	**190**	**52**	**242**	**230**	**140**	**370**	**10**	**2**	**0**	**430**	**194**	**624**
14.	Exhibition		**6**												**22170**
15.	Film Show														
16.	Method Demonstrations		11												407
17.	Farmers Seminar														
18.	Workshop		1												8
19.	Group meetings		8	9	7	16	94	55	149	0	0	0	103	62	165
20.	Lectures delivered as resource persons		42	37	51	88	155	75	230	0	0	0	192	126	318
21.	Newspaper coverage		90											Large Audience	
22.	Radio talks		5											Large Audience	
23.	TV talks														
24.	Popular articles														
25.	Extension Literature		5												920
26.	Advisory Services		8												19492
27.	Scientific visit to farmers field		61	151	82	233	241	122	263	0	0	0	414	204	618
28.	Farmers visit to KVK		16	515	220	735	920	195	1115	35	5	40	1470	420	1890
29.	Diagnostic visits		8												135
30.	Exposure visits		2	17	0	19	64	12	76	0	0	0	81	12	93
31.	Ex-trainees Sammelan														
32.	Soil health Camp														
33.	Animal Health Camp														
34.	Agri mobile														

	clinic														
35.	Soil test campaigns														
36.	Farm Science Club Conveners meet														
37.	Self Help Group Conveners meetings														
38.	Mahila Mandals Conveners meetings														
39.	Celebration of important days (specify)														
40.	01.01.2022	Celebration of Kissan Saman Nidhi Fund Release Live Programme of Hon'ble PM	1	**4**	**0**	**4**	**28**	**3**	**31**	**0**	**0**	**0**	**32**	**3**	**35**
	24.01.2022	Celebration of National Girls Child Day under the theme शिक्षित बेटीआत्मनिर्भर भारत	**1**												**42**
	26.01.2022	Republic Day and Swachtaa pledge Celebration of Republic Day	1												45
	10.02.2022	World pulse day Celebration	1	5	23	28	5	15	20	0	0	0	10	38	48
	31.05.2022	PM event on release of 11thinstalment under PM- Kissan scheme	1												21
	16.07.2022	ICAR Foundation Day and demonstration on quality Lemon plants	1	16	7	23	15	1	16	0	0	0	31	8	39
	11.08.2022	Har GharTiranga Rally	1												100
	14.08.2022	Har GharTiranga Rally	1												80
	15.08.2022	Independence day celebration	1												70
	08.09.2022	World Nutrition day in collaboration with Mission Directorate ICDS of District Poonch	1	0	41	41	0	13	13	0	0	0	0	54	54
	16.09.2023	T&V Meet	01												08
	17.09.2022	National Campaign on Poshan Abhiyan and Tree Plantation was organized in collaboration with IFFCO	1	18	57	74	2	18	20	0	0	0	20	75	95
	2.10.2022	Swachhta pledge and debate on importance of cleanliness under Special Swachhta Campaign	1										23	19	42
	17.10.2022	PM KisanSamman Sammelan program	1	12	9	21	15	19	34	0	0	0	27	28	55
	31.10.2022	Vigilance Awareness week pledge	1												12
	05.12.2022	Celebration of World Soil Day	1	16	0	16	14	0	14	0	0	0	30	0	30
	21.12.2022	Swachtaa Pakhwada	1	10	0	10	2	0	2	0	0	0	12	0	12
	23.12.2022	KisanDiwas	1	18	2	20	17	9	26	0	0	0	35	11	46
41	Celebration of Special days (specify)														
	Others														

	3-10-2022	Sanitation drive in front of farmer's hostel of KVK under Special Swachhta Campaign	1	7	1	8	0	0	0	0	0	0	7	1	8
	6-10-2022	Cleanliness around the KVK building under Special Swachhta Campaign	1	10	1	11	0	0	0	0	0	0	10	1	11
	7-10-2022	Cleanliness of lawn area of KVK under Special Swachhta Campaign	1	9	1	10	0	0	0	0	0	0	9	1	10
	24-10-2022	JAN ABHYAN on Horticultural Production and Management (Dr.Muzafar Mir)	1	6	0	6	10	9	19	0	0	0	16	9	25
	25-10-2022	JAN ABHYAN on Fodder Production (Dr.Muzafar Mir)	1	5	3	8	31	1	32	0	0	0	36	4	40
	25-10-2022	JAN ABHYAN on Agricultural Infrastructure Fund Scheme (Dr.Muzafar Mir)	1	14	1	15	11	1	12	0	0	0	25	2	27
	26-10-2022	JAN ABHYAN programme on Horticultural Production and Management(Dr.Muzafar Mir)	1	7	4	11	12	7	19	0	0	0	19	11	30
	28-10-2022	JAN ABHYAN programme on Horticultural Production and Management(Dr.Muzafar Mir)	1	6	1	7	15	12	27	0	0	0	21	13	34
	28-10-2022	JAN ABHYAN programme on Fisheries	1	0	0	0	24	1	25	0	0	0			25
	30-10-2022	JAN ABHYAN programme under Back to village	1	18	0	18	4	4	8	0	0	0	22	4	26
	30-10-2022	JAN ABHYAN programme under Back to village	1	1	4	5	16	4	20	0	0	0	17	8	25

6. B. Kisan Mobile Advisory Services Jan-Dec 2020

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**
Poonch	**20,339**	**24**							

1	Poonch	mkisan	03.02.2022	2404
2	Poonch	mkisan	16.02.2022	2404
3	Poonch	mkisan	01.03.2022	2404
4	Poonch	mkisan	17.03.2022	2404
5	Poonch	mkisan	04.04.2022	2404
6	Poonch	mkisan	16.04.2022	2490
7	Poonch	mkisan	09.05.2022	2491

8	Poonch	mkisan	17.05.2022	2491
9	Mangnar	NICRA	01.08.2022	55
10	Mangnar	NICRA	12.08.2022	55
11	Mangnar	NICRA	13.08.2022	55
12	Mangnar	NICRA	22.08.2022	55
13	Mangnar	NICRA	30.08.2022	55
14	Mangnar	NICRA	14.09.2022	55
15	Mangnar	NICRA	23.09.2022	55
16	Mangnar	NICRA	27.09.2023	52
17	Mangnar	NICRA	17.10.2022	52
18	Mangnar	NICRA	20.10.2022	52
19	Mangnar	NICRA	27.10.2022	52
20	Mangnar	NICRA	31.10.2022	52
21	Mangnar	NICRA	07.11.2022	52
22	Mangnar	NICRA	21.11.2022	52
23	Mangnar	NICRA	05.12.2022	49
24	Mangnar	NICRA	05.12.2022	49

6.C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during Jan-Dec 2022

<table>
<tr><th>No. of Technology week celebrated</th><th>Types of Activities</th><th>No. of Activities</th><th>Number of Participants</th><th colspan="4">Related crop/livestock technology</th></tr>
<tr><td rowspan="2">Parthenium week</td><td rowspan="2">Awareness Programme Parthenium week (method demonstration, lecture, pamphlets, chemical control, Napier grass distribution under camps)</td><td rowspan="2">2</td><td rowspan="2">33</td><td rowspan="2">Awareness Programme Parthenium week</td><td>Mangnar</td><td>03.08.2022</td><td>08</td></tr>
<tr><td>Mangnar</td><td>20.08.2022</td><td>25</td></tr>
<tr><td rowspan="2">Nutrition Month</td><td rowspan="2">Lectured, Tree Plantation and Distribution of Plants</td><td rowspan="2">2</td><td rowspan="2">155</td><td>08.09.2022</td><td>World Nutrition Day celebrated in collaboration with Mission Directorate ICDS of District Poonch</td><td>on Campus</td><td>60</td></tr>
<tr><td>17.09.2022</td><td>National Campaign on Poshan Abhiyan and Tree Plantation was organized in</td><td>on Campus</td><td>95</td></tr>
</table>

					collaboration with IFFCO		
Gandhian Philosphy	Week Long Gandhian Philosphy	1	14	02.10.2022	Celebration of Rashtriya Swachta Diwas & Swachta Pledge	KVK Poonch	14
	Gosthies	4	214				
	Lectures organized	14	214				
	Exhibition						
	Film show						
	Fair						
	Farm Visit						
	Diagnostic Practicals						
	Distribution of Literature (No.)	07	1000				
	Distribution of Seed (q)						
	Distribution of Planting materials (No.)	200	95				
	Bio Product distribution (Kg)						
	Bio Fertilizers (q)						
	Distribution of fingerlings						
	Distribution of Livestock specimen (No.)						
	Total number of farmers visited the technology week		**214**				

7. Production and supply of Technological products Jan-Dec 2022

A) SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	**Wheat**				
	Oat		10.8	52000	90
OILSEEDS					
PULSES					
VEGETABLES					
FLOWER CROPS					
OTHERS (Specify)	Napier Grass		1500 rootslips	3000	30

*An example for guidance only

B) PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
	Walnut rootstock	**SKJPW-1**	**5000**	**150000**	
	Walnut grafted	**SKJPW-1**	**400**	**160000**	
	Pecan nut rootstock	**MAHAN, NELLIS, Barkat**	**15000**	**450000**	
	Pecan nut grafted	**Do-**	**500**	**200000**	
	Apricot	**Bebco**	**1500**	**45000**	
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						
2						
BIOFERTILIZERS						
1	**Vermicompost**			**1000 kg**	**8000/-**	**Farm use/sale**
2	**Earthworm**	***Eisinea foetida***		**25 kg**	**8000/-**	**01**
3						
BIO PESTICIDES						
1						
2						

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***				
	Quails*					
FISHERIES						
Others (Specify)						

*** An example for guidance only**

PART 8 – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION Jan-Dec 2022

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

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

(B) KVK e-News Letter – (Name, Date of start, periodicity, Name of the Website uploaded)

(C) Literature developed/published

Item	***Title***	***Authors name***	***Number of copies***
Research papers	Standardizing nitrogen dose for efficient nutrient management in guava (*Psidiumguajava*) under meadow orcharding cv. Allahabad Safeda Progressive Horticulture	SudhirJamwal*, Saket Mishra, **Ajay Mahajan**, Muzafar Mir and MushtaqGuroo (December 2021) DOI : 10.5958/2249-5258.2021.00026.9 53 No 2 (164-169)	
	Study on Nutrition Sources to Effect on Cropping Behaviour Attributes of Apricot and Quality (*Prunusarmanica.* L.)Journal of Community Mobilization and Sustainable Development	Muzafar Mir*, Sudhir S. Jamwal, Ajay Gupta, Suja N. Qurashi and Mushtaq Guroo Volume 1 (Seminar Special Issue) May 26-28, 2022: pp 71-74	
	"Standardization of Methods and Timing of Budding on Pecan Nut (*Carya illinoensis* .W.) Under Intermediate Agro-Climatic Conditions Journal of Community Mobilization and Sustainable Development Vol.	Muzafar Mir*, Ajay Gupta, Bilal A. Pandith1 , Sudhir S. Jamwal and Mushtaq Guroo Volume 1 (Seminar Special Issue) May 26-28, 2022: pp 116-118	
	Effect of Seed Rate on Yield of Wheat (*Triticum aestivum*) under Front Line Demonstrations in Poonch ***Asian Journal of Agricultural Extension, Economics & Sociology,***	Ajay Gupta **DOI:** 10.9734/ajaees/2022/v40i1031144 **Published**: 16 August 2022 **Page 795-797**	
Abstracts	Effect of seedling age on tiller count and yield of transplanted rice in Poonch District. 2022 National Seminar on Agriculture & more-Beyond-4.0 at SKUAST-	Ajay Gupta, Muzafar mir, Praveen Singh, M A guroo and S S Jamwal September, 2022 Abstract book on Community Mobilization and Sustainable Development P No 110	
	Identification and role of ITKs in sustainable Agriculture in Poonch district. 2022 National Seminar on Agriculture & more-Beyond-4.0 at SKUAST-K	M A guroo Ajay Gupta, Muzafar mir, S S Jamwal September, 2022 Abstract book on Community Mobilization and Sustainable Development P No 159	
	Study on Processing and Value Addition of Tea in Jammu and Kangra District"	"Sahil Naik, Anil Bhat, Malika Sharma, Sabbey Sharma, **Ajay Gupta** and Subhash Kashyap" Regional Conference to be held at	

Item	*Title*	*Authors name*	*Number of copies*
		SKUAST of Jammu, Chatha, from September 21 st -22nd , 2022 AUJ/DE/F-PF/22-23/1599-1600 dated 14.09.2022	
	"Effect of Integrated Nutrient Management on Yield, quality and orchard fertility of Peach (*Prunus persica* Batsch) cv. Early red"	Muzafar Mir*, Ajay Gupta, , Sudhir S. Jamwal and MushtaqGuroo and Ramandeep Kour September, 2022 AAVASILES, souvenir cum conference book p.no 355	
	"Comparative Biology of Solitary Endoparasitoids Glyptapanteles agamemnonis and Meteorus pulchricornis on Virus Infected Spilarctia obliqua Larvae",	Ramandeep Kour, Rakesh Kumar Gupta, Kamlesh Bali, **Ajay Gupta,** Muzafar Mir, Mustaq Guroo, Simranjeet Kour, Sonika Sharma and Suheel Ahmed Ganai Indian Ecological Society International Conference (IESIC 2022) on "Sustainable Agricultural Innovations for Resilient Agri-Food Systems" from **October 13 to 15**, 2022 SKUAST-J, Jammu, INDIA.	
	Invasion and management of *Spodoptera frugiperda* in Poonch district of Jammu and Kashmir	Ramandeep Kour, MushtaqGuroo, Ajay Gupta, Muzafar Mir and SudhirJamwal	
Book chapter	**Vermicomosing and its enrichment:** 2022. Book title: Recent Advances in Science and technology for sustainable India	**Authors:** Sharma, Vishal, Gupta, V. Gupta, Ajay, Sharma, R,Sharma A and Kumar, A. **Publishers**: Mahima Research foundation and Social welfare, BHU, Varanasi, UP, India	
	Book Chapter sp**ringer** Dr M A Guroo New Horizons in Wheat and barley Research Crop protection and resource management (10.05.2022)		
Technical reports			
Technical bulletins	Management of Fall Armyworm May 2022	Dr. Ajay Gupta, Dr. Mustaq Guroo, Dr. Muzzafar Mir, Dr. Sudhir Jamwal	
	Natural Farming-an Opportunity	Dr. Ajay Gupta, Dr. Sanjay Kaushal, Dr. Muzzafar Mir, Dr. Mustaq Guroo, Dr. Vishal sharma, Dr. Sudhir Jamwal	

Item	*Title*	*Authors name*	*Number of copies*
	Insect Pest Management in Natural Management	Dr. Ramandeep Kour, Dr. Ajay Gupta, Dr. Muzzafar Mir, Dr. Mustaq Guroo, Dr. S. S. Jamwal, Dr. Sanjay Kaushal.	
	Concept and importance of Natural Farming	Dr. Ajay Gupta, Dr. Mustaq Guroo, Dr. Muzzafar Mir, Dr. Sudhir Jamwal, Dr. Ramandeep Kour, Dr. Sanjay Kaushal.	
Popular articles			
Training Manual			
Extension literature			
Folders /leaflets			
TOTAL			

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / Software)	Title of the programme	Number

(D) Mobile App developed by KVK

S.No.	Name of KVK	Name of Mobile App Developed	Year in which App is Developed	No. of Users downloaded the App	Type of information offered by the App(seeds, fertilizers, market prices, weather etc.)

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

ICAR-ATARI

SUCCESS STORY OF MANZOOR HUSSAINKVK Poonch, SKUAST-Jammu (J&K)

Farmer: Manzoor Hussain

R/o. Khanetar, Tehsil & District- Poonch

Contact No: +91-8082383440

Sh. Manzoor Hussain, a retired army officer hails from the village Khanetar of District Poonch. In last ten years or so, he has got the opportunity to visit different countries of the world like Indonesia, Fiji, and some other countries. During his stay in these countries, he was inspired and found a good scope for introducing backyard poultry onscientific lines.

1. **Situation analysis/Problem statement:**

Backyard poultry can offer higher remunerative price and has good scope in Poonch district as majority of the people are meat eating. There is only one government hatchery in Poonch district in Department of Animal Husbandry. There is huge demand for chicks, broilers and layers in the

district but majority of the farmers in the district in villages and towns rear breeds but backyard poultry with modern and commercial scale is not visible in the district.

2. KVK Intervention:

In order to kickstrart the backyard poulty on scientific lines, he came in contact with KVK officials during 2020. With the guidance of KVK Poonch on scientific rearing and hatching of chicks, the farmer started his backyard poultry in three rooms of 10 x 10 ft with improved poultry breeds viz. Chabro, naked neck, desi etc. The farmer also purchased 02 hatcheries for an amount of Rs. 40,000 (Rs. 20,000 each) in the year 2020 and currently possesses three hatcheries. The two hatcheries have a capacity of 128 eggs while as third one has a capacity of 1200 eggs and hatching is completed in 21-22 days. The farmer was also guided about proper record keeping and daily register maintenance of temperature.

Output:

In the year 2020, the farmer started his entrepreneurship in the month of June on 26 June, 2020 and upto 30 October, 2020; he generated 08 hatch of 122 chicks. After hatching, he rears the bird till 500 gm body weight and thereafter each bird is sold @ Rs 150/bird. The farmer is having 170 layers, 350-400 broilers and 80 desi cocks. Desi Murga has huge demand in the market and is sold @ Rs 350/ka (raw) as compared to 130-150 kg for broiler. The farmer is also preparing his own poultry feed from local resources.

3. Outcome:

Going through his records, the farmer has so for invested Rs 337418/ which includes room rent and has earned Rs 177550 from the sale of poultry during first year of rearing (2020). During second year the farmer, logged daily sales @ Rs. 1000-1500/day for 365 days with gross returns of Rs 438000/- during the year. All the primary investment made by the farmer has been earned back including construction of rooms. The farmer is earning Rs. 50,000/ per month with his backyard poultry. At present the farmer has loaded 350 eggs for hatching and this will continue upto November, 2023.

Impact:

The farmer has become source of inspiration for other farmers also. He is now working as Farmer Friend of KVK and training other farmers regarding scientific hatching techniques. He is planning to extend his poultry business and is going to construct big unit and add hatchery of 2000 birds.

Backyard poultry of progressive farmer Sh Manzoor Hussain

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

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

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

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

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 :	03 (Maize village. Pecan nut village, NICRA village)
ii.	No. of farm families selected	60
iii.	No. of survey/PRA conducted	02

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

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

Sl. No	Name of the Equipment	Qty.	Cost
1	-	-	-
2	-	-	-
3	-	-	-
Total			

3. **Details of samples analyzed / Soil Health Cards issued during 2020 (Jan-Dec) :**

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 :
5. Year of procurement of lab/kit : 2016 (01): 2017 (01)
6. No. of mini labs with the KVK :02
7. **Type of mini labs (Name of lab/Kkt) :** Mridaprikshak Soil Testing Mini Lab (Solar operated)

8. **Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2020 (Jan-Dec) :**

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)

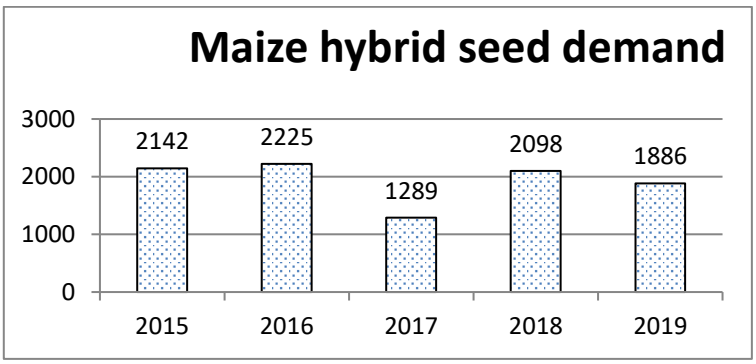
NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

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

Maize is the most important crop of the district, cultivated on an area of approximately **24 thousand hectares**. Agricultural productivity of maize is low i.e. **20.0 quintals** per hectare (Digest of statistics, 2014-15).

• In the year 2008, less than 10 % area in poonch was under Single cross hybrids
• Most of the farmers were growing desi/composite maize seed
• Low yield potential ranging from 20-25q/ha

In order to increase the productivity of maize crop in the district, KVK, Poonch and Agriculture Department made consistent efforts in the past 7-8 years by introduction of hybrid maize. As a result, the demand of hybrid maize seed increased in the district as shown in fig (Source, Department of Agriculture, Poonch).



- More than 900 FLDs on promotion of Hybrid maize have been laid by KVK Poonch under KVK and ISOPOM. Trials have also been laid under TSP Project.
- Trainings of farmers on production techniques viz. seed rate, fertilizer application, line sowing, weed management etc

Impact

- The area under hybrid maize has increased over the years. There is a significant increase in area (2000ha) under hybrids in the district to about (8000 ha)
- Realised higher yield (50-60 q/ha as compared to 30-35 q/ha
- Maize productivity showed an increase of 30.5 to 60.3 % under front line demonstration as compared to local check
- Farmers are getting higher income. Higher net returns ranging from Rs. 16 to 24 thousand per hectare over local desi/composite

Realising fodder security through promotion of Oats

- In Poonch district, Availability of fodder is major issue in the district as a whole.
- The availability of grasslands and pasturelands has decreased over years due to increasing human population and new roads and construction works. As a result, Fodder is sold sometimes costlier than the grain crop.
- Maize stubbles stored after *kharif* harvest are used as fodder during lean months. Besides Farmers grow awnless wheat locally termed moond wheat to meet the fodder demand during winter which has very limited area in the district (less than 1000 ha).
- In Rabi season area in higher reaches remains uncultivated due to extreme cold from December to March.
- KVK Poonch consistently laid FLDs on Oats during the last 10 years

Impact

- The area under fodder increased from negligible in 2011-12 to more than 1888 ha in the district in 2018-19.
- income increased from 20 to 34 thousand per ha.

3. Promotion of High density apple:

Apple is an important fruit crop grown in an area of 2000 hectares in poonchdistrits.

Constrains:

Most of the apple orchards have been established have no systematic planning .

Interventions:

1. 02 demonstrations on HD apple orchard in Azmabad and Mandi in the year 2014.
2. KVK poonch also provided technical knowhow for HDPs of apple established by Horticulture Department.
3. The tress have started producing fruits in 04 years.
4. 08 More farmers have started HD apple plantation in cluster area. Apple plants have started fruiting in 04 years

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 Jan-Dec 2020

Name of organization	Nature of linkage
1. Chief Agriculture Office, Poonch	Farmer Trainings, Kisanmelas, Diagnostic visits, KisanGhoshties, 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, Kisanmelas, Diagnostic visits, KisanGhoshties, 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
11 NABARAD	Exposure visit, FPO
12 CITH	TSP project
13 EPHS	TSP project
14 SKUAST K	Research on Saffron
B Ed College/Govt degree College	Debate, Essay Competition
IFFCO	Nutritional village
District Administration	FPO,
National Livelihood Rural Mission	Vocational training

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 Jan-Dec 2020

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
PoshanAbhiyan and Tree Plantation was organized in collaboration with IFFCO	**Sept 2022**	**IFFCO**	**5600**

11.3 Details of linkage with ATMA Jan-Dec 2022

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks

Coordination activities between KVK and ATMA during Jan-Dec 2020

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 Jan-Dec 2022

S. No.	Programme	Nature of linkage	Constraints if any

	Nursery accreditation programme	Technical guidance ,vide No: during 22-23	

11.5 Nature of linkage with National Fisheries Development Board Jan-Dec 2022

S. No.	Programme	Nature of linkage	Remarks

11.6. Details of linkage with RKVY Jan-Dec 2020

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 Jan-Dec 2022

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	
	Vermicompost unit	2020	**15**						
	Hi tech Polyhouse	2018	**400 sq m**						
	Fodder cafeteria/ Napier multiplication unit	2016							
	Mushroom unit	2019							
	Mother block (walnut and pecan nut	2015							
	others								
	Nov 2021	May 2022	2.0	Kent	Seed	10.0	22320/	46080	
	June 2022	Sept 2022	1.8	MP cherry	green	1.8 ha	21400/-	78640	

12.2 Performance of instructional farm (Crops) including seed production Jan-Dec 2020

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									
Grams									
Oilseeds									
Fibers									

Floriculture									
Fruits									
Vegetables									
Others (specify)									

12.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) Jan-Dec 2022

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) Jan-Dec 2022

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) =

Months	*No. of trainees stayed*	*Trainee days (days stayed)*	*Reason for short fall (if any)*
January 2022			
February 2022			
March 2022			
April 2022			
May 2022			
June 2022			
July 2022			
August 2022			
September 2022			
October 2022			
November 2022	01	05	750
December 2022			

12.6. Database management

S. No	*Database target*	*Database created by the KVK*

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting Demonstration Unit

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

Demonstrations conducted using Rainwater Harvesting Demonstration Unit

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

State	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	Seed produced (q)	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)	No. of KVKs involved
Punjab							
Uttarakhand							
Jammu & Kashmir	02	04			45		
Himachal Pradesh							
Total							

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 2022-23 (up to March 2023)

SL.No	Budget Head	Sanctioned	Released	Expenditure
	Grants for Creation of Capital Assets (Capital)			
1	Works	0.00		
	A. Land			
	B			
	(i) Building			
	(II) Office building			
	(ii) Residential building			
	(iii) Minor works			
2.	Equipment		2.0	1.1784
3.	Information technology			
4.	Library books and journal			
5.	Vehicles & vessels			
6.	Livestock			
7.	Furniture and fixture			
8.	Others			
	Total capital (Grants for creations of capital assests)		**2.0**	**1.1784**
1.	Grant in aid salary		105.0	103.15

	Pay and allowances			
	Total pay and allowances		**105.0**	**103.15**
	Grant in Aid – General			
2.	Travelling allowances (domestics)	1.40	1.30	1.29
	T.A (Foreign)			
	Total TA		**1.40**	**1.29**
3.	A. Research Expenses	3.75	3.73	3.72132
	B. Operational expenses	3.75	3.75	3.73
	C. Infrastructure (Rent, electricity, water charges , veh running exp. Insurances)	1.25	1.25	0.88884
	D. Communication (postage and telephone)	0.20	0.20	0.00
	E. Others (excluding TA) (printing and stationery consumable ,advertising legal professional charges	1.50	1.50	0.4664
	F. Publicity and exhibitions			
	G. Guest house –maintenance (recurring only)			
	H. Others miscellaneous	1.50	1.50	1.49
	1. Repair and maintenance			
	(i) Equipments, vehicles and others	0.25	0.25	0.016
	(ii) Office Buildings	0.30	0.30	0.15
	(iii) Residential Buildings	0.00	0.00	0.00
	Revolving fund			
	Total Recurring Contingence		**12.48**	**10.46**
	Grant in Aid-General (RC+TA)		**13.88**	**11.75**
	Grant Total (Capital +Salary+General)		120.88	116.08

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2017 to March 2018	664254	302440	67276	899418
April 2018 to March 2019	899418	99116	94874	903660
April 2019 to March 2020	903660	334461	51523	1186598
April 2020 to March 2021	1186598	156270	29425	1313443
April 2021 to March 2022	1313443	553410	158335	1708518
April 2022 to March 2023	1708518	221020	115507	1814031

14. Details of HRD activities attended by KVK staff during (Jan-Dec) 2022

Name of the staff	*Designation*	*Title of the training programme*	*Institute where attended*	*Date*
		Attended webinar on climate change causes, impacts and way forward for India Agriculture		05.07.2022
Dr AJAY GUPTA	Senior Scientist and Head	Participated in ZREAC Kharif Meeting at SKUAST-Jammu	SKUAST-Jammu	06.05.2022
Dr AJAY GUPTA	Senior Scientist and Head	Participated in 10th National Seminar on Agriculture & more-Beyond-4.0 at SKUAST-K and presented 02 Abstracts and 02 Full length papers	SKUAST-K	25.05.2022 to 28.05.2022

Dr Ajay Gupta	Senior Scientist and Head	Attended 2 days Regional conference from 21-09-2022 to 22-09-2022 at SKUAST-Jammu	SKUAST-Jammu	21.09-22-22.09.22
Dr Ajay Gupta	Senior Scientist and Head	Attended three days training workshop on Natural Farming at	Dr. YSP UHF, Nauni, Solan	10-10-2022 to 12-10-2022
Dr Ajay Gupta	Senior Scientist and Head	Indian Ecological Society International Conference (IESIC 2022) on "Sustainable Agricultural Innovations for Resilient Agri-Food Systems"	SKUAST-J, Jammu, INDIA.	October 13 to 15, 2022
Dr M A Guroo	Farm Manager	Indian Ecological Society International Conference (IESIC 2022) on "Sustainable Agricultural Innovations for Resilient Agri-Food Systems"	SKUAST-J, Jammu, INDIA.	October 13 to 15, 2022
Dr M A Guroo	Farm Manager	Attended three days training workshop on Natural Farming at	Dr. YSP UHF, Nauni, Solan	10-10-2022 to 12-10-2022
Dr M A Guroo	Farm Manager	Participated in 10th National Seminar on Agriculture & more-Beyond-4.0 at SKUAST-K and presented 02 Abstracts and 02 Full length papers	SKUAST-K	25.05.2022 to 28.05.2022
Dr Muzaffar Mir	Subject Matter Specialist	Participated in 10th National Seminar on Agriculture & more-Beyond-4.0 at SKUAST-K and presented 02 Abstracts and 02 Full length papers	SKUAST-K	25.05.2022 to 28.05.2022
Dr Muzaffar Mir	Subject Matter Specialist	Attended International Conference	SKUAST-K	28-30 september,2022
Dr Muzaffar Mir	Subject Matter Specialist	Attended 10 days training workshop on Natural Farming at	Dr. YSP UHF, Nauni, Solan	14 nov 2022 to 23 nov 2022
Dr Ramandeep Kour	SRF	Indian Ecological Society International Conference (IESIC 2022) on "Sustainable Agricultural Innovations for Resilient Agri-Food Systems"	SKUAST-J, Jammu, INDIA.	October 13 to 15, 2022
Dr. Mustaq Guroo	Farm Manager	Participated in Orientation cum Training Programme on Natural Farming	Gurukul, Kurukshetra, Haryana	12 to 13 Dec, 2022
Dr. Muzafar Mir	Subject Matter Specialist	Attended Webinar on data, online learning and statistical computating resources		15.02.2022
Dr. Muzafar Mir	Subject Matter Specialist	"Horticultural Biodiversity Conservation for Livelihood and Nutritional Security in the Era of Anthropocene and Climate change"	ICAR-IIHR, Bangalore	11th to 31st March, 2022

Dr. Muzafar Mir	Subject Matter Specialist	Participated in online webinar on community based climate risk management through watershed development organized by.	MANAGE & ICAR-IISWC	02.05. to 04.05.2022:
Dr. Muzafar Mir	Subject Matter Specialist	Dr.Muzafar Mir Participated in online webinar on extension approaches for water management organized by	MANAGE, Hyderabad.	22.06.22 to 24.06.22
Dr. Muzafar Mir	Subject Matter Specialist	Participated in online training programme on Soil and water conservation techniques in rainfed areas, organized by MANAGE-WALAMTARI.	Online	10-12 May,2022 (3 days)
Dr. MuzafarMir	Subject Matter Specialist	Participated in online webinar on innovations in crop improvement for national food security organized by.	MPUAT, Udhaipur, Rajasthan	04.06.2022
Dr.Muzafar Mir	Subject Matter Specialist	Participated in online Training Programme		08.08.2022
Dr.Muzafar Mir	Subject Matter Specialist	Participated in 2 days online Training Programme	Online	14.09.2022 to 16.09.2022
Dr.Muzafar Mir	Subject Matter Specialist	Participated in 2 days online Training Programme	Online	22.08.2022 to 24.08.2022

15. Details of Important Programs/Events conducted in KVKs during 2020 (Jan-Dec) (With 4-5 Photographs (JPEG Format).

(Please furnish detailed information for each Program/Event)

Details of Important Programs/Events conducted in KVKs during 20202 (Jan-Dec)

KVK Poonch of SKUAST-Jammu in association with ATMA, Department of Agriculture Poonch organized one day KisanMela under *"KisanBagidhariPratmiktaHamari"* Campaign atits campus premises QuaziMohra on 26th April, 2022.

The programme was attended by more than 450 farmers and officers of allied Department.At the outset of the programme Union Agriculture Minister ShNarinder Singh Tommer launched the countrywide programme via virtual mode. Union Minister interacted with the farmers and informed them about the various state & Central Government Schemes they were benefited. In his welcome address, Dr Ajay Gupta Sr. Scientist & Head, KVK Poonch said that the Melais being conducted across the country as part of KisanBagidhariPratmiktaHamari campaign which is celebrated from 25 to 30 April 2022. He highlighted the contribution of KVKs in the Extension and Development of the farming community. While, emphasizing of the need and scope of natural farming, he discussed in detail the importance ofNatural Farming during this modern technological practices.On this occasion, KVK Poonch, Department of Agriculture, Horticulture, Fisheries, Animal Husbandry, Sheep Husbandry, Cooperative Department also displayed exhibition stalls.


Glimpses of one day KisanMela under *"KisanBagidhariPratmiktaHamari*at KVK Poonch on 26th April, 2022

KVK Poonch constitutes Mangnar Project Management Committee under NICRA Project on 15-05-2022

KVK Poonch working under the auspices of Directorate of Extension (SKUAST-J) constituted Mangnar Project Management Committee (MPMC) under National Innovations for Climate Resilient Agriculture (NICRA) Project. A general meeting in this regard was held with representation from all sections of the community including men and women along with public representatives at community hall of said village. Through the selection process, 17 persons across the different communities including women were unanimously selected as the members of the "Mangnar Project Management Committee".on the occasion Sr. Scientist &Head of KVK Poonch, Dr. Ajay Gupta said that the main objective of the NICRA project is to enhance the resilience of Indian agriculture covering crops, livestock and fisheries to climatic variability and climate change through development and application of improved production and risk management technologies coupled with demonstration of site specific technology packages on farmers field for adapting to current climate risks. , Dr.M.A.Guroo, Co-PI of the project detailed the significance and functioning of the project as per the mandated guidelines.


Constitution of Mangnar Project Management Committee under NICRA on 15-05-2022 at village Mangnar, Poonch**.**

KVK Poonch organized Har Gar Tiranga Rally (11 August 2022 and 14 August 2022):

a) KrishiVigyan Kendra, Poonch under the dynamic leadership of Prof J P Sharma Vice Chancellor and overall supervision of Dr S K Gupta Director Extension, SKUAST-Jammu organized Har Gar Tiranga Rally to mark the AzadikaAmritMahotsav in collaboration with Poonch Taekwondo Academy. Sh Sunil Gupta BJP was the Chief Guest of the occasion. Rally was joined by more than 100 students from

Academy and was led by ShRajinder Singh Chairman Taekwondo Academy and Dr Ajay Gupta, Sr Scientist and Head, KVK Poonch.

b) KrishiVigyan Kendra, Poonch under the dynamic leadership of Prof J P Sharma Vice Chancellor and overall supervision of Dr S K Gupta Director Extension, SKUAST-Jammu organized Har Gar Tiranga Rally to mark the AzadikaAmritMahotsav in collaboration with students of Madarsa. The Rally was joined by more than 80 students from MadarsaQaziMohra and was led by Dr Ajay Gupta, Sr Scientist and Head, KVK Poonch. The students raised national slogans "Har Gar Tiranga, Gar GarTiranga; Hindustan ZINDABAD on this occasion and showed great zeal and enthusiasm

KVK Poonchcelebrated Independence Day on 15th August, 2022

KrishiVigyan Kendra, Poonch under the dynamic leadership of Prof J P Sharma Vice Chancellor and overall supervision of Dr S K Gupta Director Extension, SKUAST-Jammu celebrated Independence Daywith great enthusiasm and patriotic spirit. Dr Ajay Gupta, Sr Scientist and Head, KVK Poonch hoisted the National Flag at KVK Poonch. Students of QaziMohra participated in the programme with great zeal and enthusiasm**.** Debate, patriotic song singing competition was also organized on this occasion.

KVK Poonch organized National Campaign on Poshan Abhiyan and Tree Plantationon 17.09.2022.

KrishiVigyan Kendra, Poonch (SKUAST-J) under the able guidance and directions of Dr.J.P.Sharma, Hon'ble Vice Chancellor, and Dr. S.K. Gupta, Director Extension, of SKUAST-Jammu organized "National Campaign on Poshan Abhiyan and Tree Plantation" in collaboration with IFFCO on 17-09-2022. Large numbers of farmers including men and women participated in this programme. The main purpose of the programme was to create awareness on nutri-gardens and bio-fortified varieties and nutri-cereals and their role in human health. The different types of vegetable seed packets and fruit tress provided by IFFCO were also distributed among the participants at the end of programme and 50 plants were planted on this occasion.

KVK Poonch celebrated World Soil Day on theme "Soils: Where food begins" on 05-12-2022:

KrishiVigyan Kendra, Poonch working under the auspices of Directorate of Extension, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-J) today celebrated world soil day on theme "Soils: Where food begins" at its office campus. The programme was held as per the guidelines of Indian Council of Agricultural Research (ICAR) and under the able guidance of Dr. J. P. Sharma, Hon'ble Vice Chancellor, and Dr. S.K. Gupta, Director Extension, of SKUAST-Jammu. A total number of 40 persons including the farmers and students participated in the world soil day celebration. The main purpose of this programme was to aware the masses about the importance of maintaining healthy ecosystems and human well-being by addressing the growing challenges in soil management and encouraging societies to improve soil health.

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

Project 1: Formation and Promotion of FPOs as CBBO

FPO Cell SKUAST-J for Formation and Promotion of FPOs as CBBO vide AUJ/DE/21-22/F-314/210-234 dated 14.06.2021

	28.02.2022	Interview of CEO and Account of Poonch Farmer Producer Cooperative Ltd and Mandi Walnut Farmers producer Co Ltd conducted at Mandi and Degwar	KVK Poonch		
	15.07.2022	Meeting in CAO, Poonch regarding expedition of Equity for FPO at Poonch&Mandi			
	02.08.2022	FPO Meeting regarding Equity collection	Sathra	25	
	06.08.2022	Awareness programme on FPO	Ajote/ Degwar	25	

	17.08.2022	Review meeting FPO Poonch with Deputy Registrar Co-operatives	KVK, Poonch	19	
	18.08.2022	FPO Meeting regarding Equity collection	Degwar	17	
	06.09.2022	Attended Meeting in NIC office regarding District plan (FPO)	KVK, Poonch		
	21.09.2022	Attended Meeting in civil secretariat regarding progress of FPO	Civil secretariat, Jammu		Dr. Ajay Gupta
	25.11.2022	Attended Meeting in civil secretariat regarding progress of FPO	Civil secretariat, Jammu		
	26.11.2022	Attended Review meeting of FPO organized by Financial Commissioner	Civil Secretariat, Jammu		Dr. Ajay Gupta

Registration of FPOs

- **Poonch Farmers Producer Co-operative Limited (**Registration No RCS/J&K/2267-FPO) registered under sub section (4) of section 3 of J&K Self-reliant Cooperative Act, 1999
- **Mandi Walnut Farmers Producer Co-operative Limited** (Registration No RCS/J&K/2266-FPO) registered under sub section (4) of section 3 of J&K Self-reliant Cooperative Act, 1999 and presented by Sh B L Verma

1	DPR on "Small scale foodprocessing unit on value addition of fruits and vegetables at kvk poonch, Skuast-jammu." under AgriInfra Fund	92 lakhs
2	DPR *On* Installation of Milk Processing Plant at Poonch Farmers Producers Organization	35.38 lakhs
3	DPR *On* Installation of Popcorn Processing Plant at Poonch Farmers Producers Organization	11.58 lakhs
4	DPR *On* Installation of Cattle Feed Unit at Poonch Farmers Producers Organization	5.88 lakhs
5	Dpr on Installation of Walnut Processing plant at Mandi Walnut farmers producers Organisation	5.6 lakhs
6	DPR *On* Installation of Maize Processing Plant at Poonch Farmers Producers Organization	4.73 lakhs

Project 2: Production and popularization of quality planting material of improved cultivars of Pecan nut to enhance the nut crop status in Pir-Panjal range of Jammu division

Title		**Budget (lakhs)**
PRODUCTION AND POPULARIZATION OF QUALITY PLANTING MATERIAL OF IMPROVED CULTIVARS OF PECAN NUT TO ENHANCE THE NUT CROP STATUS IN PIR-PANJAL RANGE OF JAMMU DIVISION sanctioned vide No. NB/JKRO/FSDD/DPR/Mode/449/Pecan-nut poonch/2021-22 dated 23 August 2021	PI Dr. Muzzafar Mir	NABARD funded21.60 lakhs for the 03 years

Achievements			
1	FCLA	Interview conducted	
2	02 labours	Engaged on bilateral arrangement	
3	Purchase of seed	In process	
4	Purchase of inputs	Completed	

5	13.05.2022	Project Implementation and Monitoring Committee meet for the NABARD Project.	10
6	16.08.2022	Interview for the Post of FCLA	
8	20.12.2022	Accreditation of fruit Nurseries (private and Govt) (Dr Muzaffar Mir)	Surankote and Mendhar
9	21.12.2022	Accreditation of fruit Nurseries (Dr Muzaffar Mir)	Ajote, Poonch CHO, Rajpura
10	22.12.2022	Accreditation of fruit Nurseries (private and Govt) (Dr Muzaffar Mir)	Sathra
		Generation of Planting Material of Pecan nut (**Rootstock: 1500 Grafted: 500**)	
		Reports, Meetings , Budget Utilization	

Project 3: Network Project on National Innovations in Climate Resilient Agriculture

Network Project on National Innovations in Climate Resilient Agriculture vide Director ICAR -Central Research Institute for Dryland Agriculture, Hyderabad) reference No F No. 4.1 NICRA dated 22.12.2021	Sanctioned:8.49 lakh Released: 6.439 lakh
Council vide F.No.1(1)/2021-PIM, dated 17.03.2022	

Date	Nature of Extension Activity	Participants								
		Farmers (Others) (I)			SC/ST (Farmers) (II)			Grand Total (I+II)		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
26.03.2022	Training cum demonstration programme in NICRA village	20	14	34	3	0	3	23	14	37
`12.05.2022	Pre-meeting for implementation of VCMRC under NICRA	10	3	13	0	2	2	10	5	15
15.05.2022	VCMRC Meeting under NICRA for selection of General Body	46	20	66	4	1	5	50	21	71
17.05.2022	Meeting under NICRA for selection of President, secretary and CHCBody	11	2	13	3	2	5	14	4	18
17.05.2022	Establishment of CHC at NICRA village	11	2	13	3	2	5	14	4	18
21.06.2022	demonstration of horticultural toolkit under NICRA Project.	25	9	34	7	0	7	32	9	41
07.07.2022	Demonstration of knapsack sprayers	18	1	19	1	0	1	19	1	20
16.08.2022	Demonstration of Vegetable seeds	7	4	11	0	0	0	7	4	11
17.08.2022	**Inaguaration of CHC Centre at NICRA village**									60
24.08.2022	Awareness Programme on Lumpy Skin Disease	12	5	17	5	0	5	17	5	22
11.09.2022	Monthly Meeting with VCRMC Members	7	2	9	0	0	0	7	2	9
14.09.2022	Formation of Women group (FIG) at NICRA village	0	19	19	0	0	0	0	19	19
15.09.2022	Demonstration on Lemon Plants at NICRA village	34	12	46	1	1	2	35	13	48
07.11.2022	Training on Seed Production in Wheat	55	12	67	0	0	0	55	12	67
08.11.2022	Meeting regarding changes in VCRMC	10	2	12	2	1	3	12	3	15
	Reports, Meetings, Budget Utilization									

Survey and renovation of Rain water harvesting tanks under NICRA		
04.08.2022 to 06.08.2022	Survey of Rain water harvesting tanks	Mangnar

22.08.2022 to 26.08.2022	Renovation of 1st water harvesting tank under NICRA	Mangnar
27.08.2022 to 01.09.2022	Renovation of 2nd water harvesting tank under NICRA	Mangnar
29.08.2022	Visit to renovated water harvesting tank under NICRA	Mangnar

Project 4: Network Project on Out scaling of Natural Farming through Krishi Vigyan Kendras

Network Project on Out scaling of Natural Farming through Krishi Vigyan Kendras	2022-23	Released: 2.73 lakhs Sanctioned: 10..68 lakhs

	Nature of Extension Activity	Participants								
		Farmers (Others) (I)			SC/ST (Farmers) (II)			Grand Total (I+II)		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
31.10.2022	Awareness programme on Natural farming	16	0	16	0	0	0	16	0	16
03.11.2022	Awareness programme on Natural farming	0	0	0	12	14	26	12	14	26
08.11.2022	Awareness programme on Natural farming	2	11	13	4	7	11	6	18	24
11.11.2022	Awareness programme on Natural farming	13	0	13	11	6	17	24	6	30
14.11.2022	Awareness programme on Natural farming	0	0	0	14	11	25	14	11	25
15.11.2022	Awareness programme on Natural farming	3	2	5	19	1	20	22	3	25
03.12.2022	Awareness programme on Natural farming	0	0	0	17	8	25	17	8	25
06.12.2022	Awareness programme on Natural farming	18	1	19	4	2	6	22	3	25
07.12.2022	Awareness programme on Natural farming	13	3	16	13	1	14	26	4	30
08.12.2022	Awareness programme on Natural farming	22	5	27	0	8	8	22	13	35
30.12.2022 to 31.12.2022	Training Programme on Natural Farming	10	8	18	15	7	22	25	15	40

Project 5: Enhancing livelihood Opportunities through Agro Technological Interventions of tribal Communities of Rajouri, Poonch and Reasi district

Enhancing livelihood Opportunities through Agro Technological Interventions of tribal Communities of Rajouri, Poonch and Reasi district	2022-23	**43.0 lakhs**

	Nature of Extension Activity	Participants								
		Farmers (Others) (I)			SC/ST (Farmers) (II)			Grand Total (I+II)		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

01.05.2022	Animal feed distribution under TSP	0	0	0	21	2	23	21	2	23
14.05.2022	Animal feed distribution under TSP	0	0	0	4	5	9	4	5	9
17.05.2022	Animal feed distribution under TSP	0	0	0	34	0	34	34	0	34
09.06.2022	Animal feed distribution under TSP	0	0	0	34	7	41	34	7	41
28.10.2022	Distribution of bins	0	0	0	15	3	18	15	3	18
21.12.2022	Distribution of Walnut and Pecan nut Plants	0	0	0	10	0	10	10	0	10

Annexures

District Profile - I

District Profile - I

Include the details of

1. General census

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

2. Agricultural and allied census

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

4	Peach	607.00	670.00	1.10
5	Plum	1322.00	1194.00	0.90

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

Category		**Population**	**Production**	**Productivity**
Cattle				
Crossbred		53432	38125 MT (Milk)	5 lts/day in 305 days
Indigenous		38626	13725 MT (Milk)	3 lts/day in 305 days
Buffalo		113284	45750 MT (Milk)	3 lts/day in 305 days
Sheep				
Crossbred		235300	Mutton 26.389 lakh kg Wool 6.852 lakh kg	
Indigenous		172100		
Goats		164800		
Rabbits		21	--	--
Poultry				
Improved		183708	72 Lakh eggs	80 eggs/layer/year
Category		**Area**	**Production**	**Productivity**
Fish				
Marine		--	--	--
Inland	*Culture*	3.45 ha	7.78 tonnes	2.25 t/ha
	captue		145.8 tonnes	

3. Agro-climatic zones

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

4. Agro-ecosystems

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

5. Major and micro-farming systems

S. No	Farming system/enterprise
1	**Rainfed** Maize + Rajmash (Mono cropping) Maize + Rajmash + Potato Maize – Wheat

	Maize- Oat Maize- Mustard **Fruit Crops:** Apple, Pecanut, Walnut, Peach, Plum and Apricot
2	**Irrigated (canal)** Paddy (Monocropped) Paddy- Berseem Paddy – Wheat

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

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

7. Major agriculture and allied enterprises

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

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

Include

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

Technology Inventory and Activity Chart - III

Include

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

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

PS * an example for guidance only

3. Activity Chart

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

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

Include

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

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

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