

PROFORMA FOR ANNUAL REPORT JANUARY 2023-DECEMBER 2023

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KVK Srinagar (Near Railway Bridge Peerbagh)	Office	FAX	kvksrinagar786@gmail.com
	9149602036	-	

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

Address	Telephone		E mail
Sher- e- Kashmir University of Agricultural Sciences and Technology of Kashmir-190025	Office	FAX	vc@skuastkashmir.ac.in deeskuastk@gmail.com
	01942464028	-	

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

Name	Telephone / Contact		
Dr. Shamim A. Simnani	Residence	Mobile	Email
	Qasbayar, Rajpora Pulwama	9149602036	drsinnani@skuastkashmir.ac.in

1.4. Year of sanction: **2003**

1.5. Staff Position (as on 31st August 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Age	Discipline with highest degree obtained	Pay Band & Grade Pay (Rs.)	Exiting Present basic (Rs.)	Date of joining at present post	Permanent /Temporary	Category (SC/ST/OBC/Others)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

1.6.	Total land with KVK (water logged/Marshy)	:	19.35 ha
	Cultivable Land (Filled with fertile soil)	:	0.3 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.1
2.	Under Demonstration Units	0.1
3.	Under Crops	0.2
4.	Duckery/Fishery	0.125
5.	Others (Wetland)	18.85

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	250 sq.m	-	-	-	Single story Completed
2.	Farmers Hostel							
3.	Staff Quarters							
	1							
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units							
	1. Dairy	ICAR	-	-	-	-	160	Completed
	2. Poultry	ICAR	-	-	-	-	100	Completed
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present Status
Bolero	2019	800000	76120	Running

C) Equipments including Tractor & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
U.P.S	29-03-2003	9500.00	Working
Gas Heater	29-03-2003	7872.00	Working
Officers Table	07-07-2003	9419.00	Working
Photo Copier	17-03-2004	64083.00	Repairable
Altimeter	24-03-2004	6744.00	Working
Wipro Computer	26-03-2004	43659.00	Repairable
Chemical Balance	March-2005	97000.00	Working
Water distillation Still	March-2005	94900.00	Repairable

Conductivity Meter	March-2005	5500.00	Repairable
Grinder	March-2005	12390.00	Repairable
Kjelda Distillation and igestion Combined Unit	March-2005	12510.00	Repairable
Computer System HCL & WIPRO Make	March-2005	75000.00	Repairable
Refrigerator (Whirlpool)	March-2005	10650.00	Working
Refrigerator (Haier)	March-2005	9200.00	Working
Shaker	March-2005	13680.00	Working
Oven	March-2005	19800.00	Working
Flame Photometer	March-2005	34725.00	Repairable
Bataloni Gas Heater	March-2005	15600.00	Working
PH Meter	March-2005	10430.00	Repairable
Hot Plate	March-2005	10440.00	Repairable
Kjeplus Automatic Digestion	March-2005	50720.00	Repairable
Glass Distillation System	March-2005	5800.00	Repairable
Generator set	March-2005	43028.00	Repairable
Stabilizer	March-2005	6430.00	Repairable
Sofa Set	March-2005	15288.00	Working
Physical Balance	March-2005	8700.00	Working
Conductivity Bridge	March-2005	5500.00	Working
U.P.S 1KVA	March-2005	8200.00	Repairable
Thresher	March-2005	68000.00	Working
Microscope	Nov- 2005	26200.00	Repairable
Diesel Engine with Accessories	March-2006	326000.00	Working
HCL Computer with UPS	May-2007	40992.00	Repairable
Water Motor	February-2009	3100.00	Working
PA wireless Amplifier and Microphone	March-2009	8,790.00	Working
Transformer (10KV)	March-2009	11,250.00	Working
Manual Screen 84"x4.3	March -2010	7763.00	Working
UPS (Luminous Line)	March -2010	5684.00	Working
Revolving Chair GB 411(Usha) 6 No.s	March -2010	27600.00	Working
Usha Sewing Machine (4No's)	March -2010/2013	12000.00	Repairable
HCL Laptop (01 No.)	March-2013	45000.00	Repairable
Brother Printer 3 in 1 (01 No.)	March 2015	16333.00	Working
HP Desktop Computer (02 No.)	February 2017	74059.00	Working
Brother Printer (02 No.)	February 2017	16560.00	Working
UPS (Intex) 02 No.	February 2017	11000.00	Working
Sony Digital Cyber shot Camera (02 No.)	February 2017	14900.00	Working
Xerox Machine Samsung (01 No)	February 2017	81614.00	Working
Stabilizer Transformer (01 No.)	February 2017	6500.00	Working
Trolleys (Hydraulic) (01 No.)	February 2017	160000.00	Working
LCD Project Screen (01 No.)	March-2017	14500.00	Working
Knap Sack Battery Operated (01 No.)	March-2017	5500.00	Working
Foot Sprayer (02 No.)	March-2017	4500.00	Working
Bush Cutter (01 No.)	March 2016	28500.00	Working
Lawn More	March 2016	6000.00	Working
Vacuum Cleaner	February 2017	8100.00	Working
Ahuja Microphone System (01 No.)	March-2017	2240.00	Working
D-Link Wi-Fi Devices make I-ball (02 No.)	March-2018	2400.00	Working
Mouse Wireless make I-ball (02 No.)	March-2018	1560.00	Working
HP Desktop (All in One) (01 No.)	February-2021	34500.00	Working
HP LaserJet Printer (01 No.)	February-2021	12600.00	Working
HP LaserJet Printer (01 No.)	September 2021	16300.00	Working
CCTV Camera along with other items/ MI LED Screen	October 2021	66890.00	Working
LED Smart TV 65 inches along with mount wall stand (Samsung) 01 No.	October 2021	109799.00	Working
Del Laptop I5 Intel Core (01 No.)	December 2021	64275.00	Working

HP Desktop Computer All in One (02 No.)	March 2022	99876.00	Working
Public Address System along with other items (01 No.)	March 2022	18906.00	Working
Dice Multipurpose Podium (01 No.)	March 2022	55000.00	Working
Del Laptop Core I5 (01 No.)	March 2022	64940.00	Working

1.8. A). Details SAC meeting* conducted in the year 2023

Sl.No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken														
1)	10-05-2023	List attached	-	Soil health status to be ascertained pre and post application of chemicals especially herbicides, so as to know the ill effects of chemicals on soil health if any.	<p>The KVK laid 03 trials of herbicides (Glyphosate) on waste lands to evaluate its long term effect. The details are mentioned below.</p> <table border="1"> <thead> <tr> <th>Location</th> <th>No. of Trials</th> <th>Year of Commencement</th> <th>Treatment</th> <th>Time of Application</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Balhama</td> <td rowspan="3">03 (Unit=01 Kanal)</td> <td rowspan="3">March 2024</td> <td rowspan="3">5ml/liter glyphosate</td> <td rowspan="3">Active photosynthetic period</td> <td rowspan="3">Recommendation awaited, needs repeated trail for validation</td> </tr> <tr> <td>Khonmoh</td> </tr> <tr> <td>KVK Srinagar</td> </tr> </tbody> </table>	Location	No. of Trials	Year of Commencement	Treatment	Time of Application	Remarks	Balhama	03 (Unit=01 Kanal)	March 2024	5ml/liter glyphosate	Active photosynthetic period	Recommendation awaited, needs repeated trail for validation	Khonmoh	KVK Srinagar
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KVK Srinagar																			
2)				Programmes for tribal women be arranged for preparation of Multigrain Atta and efforts be made for formation of SHG among them	<p>SHG/Women group</p> <table border="1"> <thead> <tr> <th>Target/SHG& Contact No.</th> <th>No. of Prog</th> <th>Venue</th> <th>Formulation of Multigrain Atta</th> </tr> </thead> <tbody> <tr> <td>Ms. Ruksana Begum (9469443437) Ms. Shamima Gul (9149430800)</td> <td>04</td> <td>Sangri</td> <td>Wheat:85% Maize:2.5% Oats:2.5% Millets: 2% Soya Flour:4% Gram Flour:4%</td> </tr> </tbody> </table>	Target/SHG& Contact No.	No. of Prog	Venue	Formulation of Multigrain Atta	Ms. Ruksana Begum (9469443437) Ms. Shamima Gul (9149430800)	04	Sangri	Wheat:85% Maize:2.5% Oats:2.5% Millets: 2% Soya Flour:4% Gram Flour:4%						
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3)				Awareness programmes in convergence with Department of Agriculture Srinagar should be arranged	<p>KVK Srinagar converged following awareness programmes with department of Agriculture and other line departments as under (List enclosed)</p> <table border="1"> <thead> <tr> <th>Department of Agriculture</th> <th>Department of Horticulture Planning & marketing</th> <th>10 BN SSB BSF</th> <th>SKILL Council of India</th> <th>Other Allied departments</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>05</td> <td>01</td> <td>01</td> <td>25</td> </tr> </tbody> </table>	Department of Agriculture	Department of Horticulture Planning & marketing	10 BN SSB BSF	SKILL Council of India	Other Allied departments	23	05	01	01	25				
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4)				KVK should frame a list of FAQs so as to address the issues faced by farmers. The responses prepared should be crisp and clear so that the target audience can easily grasp them. The information prepared may be video-graphed for its large scale dissemination through social media platforms	A booklet on FAQs to be released by Chairman SAC Meeting, Prof. Nazir A. Ganai, Hon'ble Vice-Chancellor, SKUAST-Kashmir														
5)				Activities carried out by the KVK should be compiled for hosting them on the Kendra website	All Activities carried out during the year are uploaded regularly on monthly basis on the website.														
6)				Promotion of scientific way of drying and packaging of vegetables	The Kendra has introduced simple net drying at home scale level for maintaining hygienic drying. The scientists recommended the packaging of dried products in LDPE packs in order to prevent moisture gain and hygienic conditions. Target: Rural/urban women														

				Commodity	No. of Trainings	Venue			
				Bottle Guard	02	KVK Sgr			
				Chilli	02	Humhama			
				Brinjal	01	Humhama			
				Dandelion	01	KVK Sgr			
7)			Validation of the Smart kitchen dustbins	Kendra conducted several validation trials on smart kitchen dustbin. Farmers were satisfied with this technology.					
8)			Start-ups in agriculture and allied branches	The Kendra has incubated & registered One start up under SKIIE Center, SKUAST-K Name of Start-up: Noonley Green Food Innovation Pvt. Ltd Founder: Dr. Saima Paul Financial Support: SKIIE Center					
9)			Director Extension impressed upon all to equip unemployed youth and school drop with entrepreneurial skills.	In order to equip unemployed youth and school dropouts with entrepreneurial skills, following skill training programmes/vocational/entrepreneurship development programmes were conducted during the period.					
				S. No	Name of ESDP	Discipline	No. of Prog.	Date & Duration (days)	Participants (No.)
				STRY					
				01	Canopy Management	Fruit Science	01	Dec. 2023 (07)	28
				02	Natural farming IFS	Soil Science	02	Jan & Feb 2024 (07)	56
				03	Profitable Dairy farming	Animal Science	01	March 2024 (07)	28
				Mushroom farming as an Agri-Business					
				01	Mushroom Grower	Horticulture	01	Feb 2024 (08)	30
				Entrepreneurship on Demand driven Craft & Bakery Products and other					
				01	Demand driven Craft & Bakery Products	FST	01	Jan 2024 (08)	25
				02	Utilization of Millet Products	FST	01	Sept. 2023 (02)	25
				RPL: Skill Certification Course					
				01	RPL	Horticulture Nursery Growers	01	March 2024 (03)	40
				02	Hands on Training on Silk Worm Rearing	Sericulture	01	March 2024 (03)	30
10			Chief Agriculture Officer highlighted the need for organizing programmes on conservation of resources, minimizing chemical use and promotion of organic and natural farming.	The Kendra organised several programmes on promotion of organic and natural farming					
				S. No	Event	Venue	Date	Clientele	
				01	Soil Health Management through organic farming	KVK campus	22-05-23	Farmers	
				02	Soil Health Management through natural farming	SKUAST-K	23-05-23	Students	
				03	Campaigning on organic/natural farming	SKUAST-K	27-05-23	Students	
				04	Awareness programmes on organic/natural farming	Balhama	29-05-23	Progressive Farmers	
				05	Field Visits/ Demonstration	Habak Chanapora	30-05-23	Progressive Farmers	

					06	Sanklap Saptan awareness on Gobardhan & Bio Agro Resources	Khanmoh	06-10-23	Deptt. of Agriculture																																				
					07	Skill training for rural youth on zero budget natural farming	Khanmoh	27-03-23 to 04-04-24	Progressive rural youth																																				
11				District Sheep Husbandry Officer Srinagar, underscored the need for collaborative programmes from KVK for capacity building of field functionaries. He desired for organizing training/awareness programmes on ration balancing, methods of administration of medicine in animals and fodder conservation for enhancing livestock productivity	<ul style="list-style-type: none"> ➤ For capacity building of Field functionaries of Department of Sheep Husbandry 03 programmes were conducted in collaborative mode. ➤ One programme each on ration balancing and methods of administration of medicine during Jan 2024 at Balhama and 02 programmes on fodder conservation were organized for practicing farmers during Sept. & October 2023 at Ranbirgrah & Chatrihama. ➤ Moreover two first aid camps were also organized for sheep breeders during October 2023 and Feb. 2024 at Faqirguri and Dara Harwan. 																																								
12				Chief Horticulture Officer Srinagar desired for collaborative programmes with KVK on popularization and area expansion under high density apple plantation, capacity building of field functionaries.	<p>KVK Srinagar converged following programmes with department of Horticulture</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Programmes on popularization and area expansion under high density Apple under HADP At Lal Mandi Srinagar</td> <td style="width: 25%;">Three Day Capacity Building Programme for Extension functionaries of Horticulture Deptt. W.e.f. 06-08, November, 2023</td> <td style="width: 25%;">Exposure Visit of orchardists/ farmers to CITH Rangret, Centre of Excellence of Temperate Fruits Zawoora and Faculty of Horticulture SKUAST-K Shalimar on 18th of Sept, 2023</td> <td style="width: 25%;">Training programme in collaboration with HDO Shalimar on 31st of August, 2023 at Tailbal Srinagar</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">01</td> <td style="text-align: center;">01</td> <td style="text-align: center;">01</td> </tr> </table>						Programmes on popularization and area expansion under high density Apple under HADP At Lal Mandi Srinagar	Three Day Capacity Building Programme for Extension functionaries of Horticulture Deptt. W.e.f. 06-08, November, 2023	Exposure Visit of orchardists/ farmers to CITH Rangret, Centre of Excellence of Temperate Fruits Zawoora and Faculty of Horticulture SKUAST-K Shalimar on 18th of Sept, 2023	Training programme in collaboration with HDO Shalimar on 31st of August, 2023 at Tailbal Srinagar	10	01	01	01																											
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13				Chief Sericulture Officer desired for collaborative programmes on prevention of viral diseases in silkworms	<p>The KVK organised and conducted 02 No. of awareness cum training programmes in collaboration with CoTS Mirgund and Department of Sericulture Kashmir.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No</th> <th style="width: 45%;">Title</th> <th style="width: 15%;">Month/ Duration</th> <th style="width: 35%;">Venue/Participants</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">01</td> <td>Hands on Training on Production Technology & Disease Management of Silk worm</td> <td style="text-align: center;">March & April 2024 (02)</td> <td>Seed Farm New Theed Silk worm rearers & extension functionaries</td> </tr> <tr> <td style="text-align: center;">02</td> <td>Economically important Diseases Infesting the Silk Worms during larval period & their Management</td> <td style="text-align: center;">April 2024 (02)</td> <td>Department of Sericulture Theed Silk worm rearing entrepreneurs & extension >30</td> </tr> </tbody> </table>						S. No	Title	Month/ Duration	Venue/Participants	01	Hands on Training on Production Technology & Disease Management of Silk worm	March & April 2024 (02)	Seed Farm New Theed Silk worm rearers & extension functionaries	02	Economically important Diseases Infesting the Silk Worms during larval period & their Management	April 2024 (02)	Department of Sericulture Theed Silk worm rearing entrepreneurs & extension >30																							
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14				Benefit cost ratio of crops grown by some progressive farmers under poly-houses be carried out to verify the claims made by them.	<p>Economics of Vegetables grown under Hi-tech Poly house Name of Progressive Farmer: Khurshid Ahmad Dar Cropping Intensity: 300 Area of the Hi-tech poly house: 250 sq. m</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S No</th> <th style="width: 15%;">Name of crop</th> <th style="width: 15%;">Variety</th> <th style="width: 15%;">Cost of Production</th> <th style="width: 15%;">Gross returns</th> <th style="width: 15%;">Net returns</th> <th style="width: 10%;">BC ratio</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Kale</td> <td>Khanyari</td> <td style="text-align: center;">2400</td> <td style="text-align: center;">18000</td> <td style="text-align: center;">15600</td> <td style="text-align: center;">6.50</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Knol Khol</td> <td>White Vienna</td> <td style="text-align: center;">3000</td> <td style="text-align: center;">13500</td> <td style="text-align: center;">10500</td> <td style="text-align: center;">3.50</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Tomato</td> <td>Wipro Magic</td> <td style="text-align: center;">20500</td> <td style="text-align: center;">72000</td> <td style="text-align: center;">51500</td> <td style="text-align: center;">2.51</td> </tr> <tr> <td colspan="3" style="text-align: center;">Total</td> <td style="text-align: center;">25900</td> <td style="text-align: center;">103500</td> <td style="text-align: center;">77600</td> <td style="text-align: center;">2.99</td> </tr> </tbody> </table>						S No	Name of crop	Variety	Cost of Production	Gross returns	Net returns	BC ratio	1	Kale	Khanyari	2400	18000	15600	6.50	2	Knol Khol	White Vienna	3000	13500	10500	3.50	3	Tomato	Wipro Magic	20500	72000	51500	2.51	Total			25900	103500	77600	2.99
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List of participants who attended 19thSAC Meeting of KVK Srinagar held on 10-05-2023

S. No	Name of the participants	Designation
1.	Prof. Nazir Ahmad Ganie	Hon'ble Vice Chancellor, SKUAST-Kashmir
2.	Dr. Dil Mohammad Makdoomi	Director Extension, SKUAST-Kashmir, Shalimar
3.	Dr. M.K. Sharma	Director CITH, Rangreth Srinagar
4.	Dr. Sajad Mohiuddin Mir	Sr. Scientist & Head (KVK Srinagar)
5.	Dr. Ishfaq Abidi	Sr. Scientist & Head (KVK Budgam)
6.	Line Department	Representatives from Agriculture/Horticulture/Animal Husbandry/ Sheep Husbandry/ Floriculture and Social Welfare Department/Lead Bank/NGO
7.	Dr. Uzma Bashir	SMS Soil Science
8.	Dr. Malik Raies-ul-Islam	SMS Animal Science
9.	Dr. Saima Paul	SMS Home Science
10.	Dr. Aasima Rafiq	SMS Food Technology
11.	Dr. Gazanfer Gani	SMS Floriculture
12.	Dr. Rayees Ahamd Wani	SMS Fruit Science
13.	Mr. Mohd Ashraf Mir	Programme Assistant
14.	Mr. Yasir Arfat Bhat	Programme Assistant (Computer)
15.	Ms. Masarat Jahan	Accountant
16.	Mr. Javid Ahmad Chopan	Cook
17.	Mr. Ali Mohd Bhat	Gardner
18.	Mr. Khurshid Ahmad	Progressive Farmer
19.	Mr. Mohammad Sultan Bhat	Progressive Farmer
20.	Mr. Hilal Ahmad Mir	Driver
21.	Ms. Irfana Bashir	OCC

2. DETAILS OF DISTRICT (2023)

Srinagar district, situated in the centre of Kashmir Valley, is surrounded by five districts. In the north it is flanked by Kargil and Ganderbal, in the South by Pulwama and in the north-west by Budgam. The average altitude is about 1600m amsl. The district with a population of around 1325443 lacs, is spread over an area of 1979 Sq. Kms. It comprises of 07 Tehsils/ towns viz; Srinagar North and Srinagar South, Central, Khanyar, Idgah, Chanapora, Natipora and Panthachowk, (Srinagar), besides 137 Revenue villages.

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

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

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

S. No	Agro-climatic Zone	Characteristics
1.	Mid to high altitude temperate zone (JK-3)	District Srinagar has area of 1979sq.kms and is the

	smallest district of the state. District Srinagar falls under temperate zone as per the agro-climatic conditions. The precipitation is mainly in the form of snow in winter and rains/ hail in summer. Temperature varies from 5 °C in winter to max of 34°C in summers and the average rainfall of the district is 585mm. Plain area constitute maximum of the total geographical area of the District. Rice and Maize are main crops of the district besides area under horticulture crops namely Apple, Pear, Cherry and Peach involve the major portion of total cultivated land. Among agronomic crops Maize is mostly grown as rain fed crop in Karewas.
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2.3 Soil type/s

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

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

S. No	Crop	Area (ha)	Production (MT)	Source
1.	Fresh Fruit:-Apple, Pear, Cherry, Plum, Apricot, Strawberry	2613	23327	Department of Horticulture-Kashmir (2021-22)
2.	Dry Fruit	477	3091	
3.	Rice	3400	0.587	Department of Agriculture-Kashmir (2021-22)
4.	Maize	450	0.059	
5.	Oilseed	434	0.588	
6.	Vegetable	2500	65169	
7.	Fodders	284	1.776	Department of Floriculture-Kashmir (2021-22)
8.	Floriculture	46.04	-	

2.5. Weather data (Data awaited from Weather Meteorological Department J&K): N/A

Month	Rainfall(mm)	Temperature °C		Relative Humidity (%)
		Maximum.	Minimum	
Jan 2023	-	-	-	-
Feb 2023	-	-	-	-
March 2023	-	-	-	-
April 2023	-	-	-	-
May 2023	-	-	-	-
June 2023	-	-	-	-
July 2023	-	-	-	-

August 2023	-	-	-	-
September 2023	-	-	-	-
October 2023	-	-	-	-
November 2023	-	-	-	-
December 2023	-	-	-	-

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	43166		
<i>Indigenous</i>			
Buffalo	75		
Sheep			
Crossbred	57994		
<i>Indigenous</i>			
Goats	6485		
Horse	740		
<i>Crossbred</i>	-		
<i>Indigenous</i>	-		
Rabbits	04		
Poultry			
Hens Farms	80273		
<i>Desi</i>	106885		
<i>Improved</i>			
Ducks	15858		
Turkey and others			
Category	Area	Production	Productivity
Fish			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages

S. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Srinagar	Srinagar (Zone Qamarwari)	Lawaypora Mirgund Zainakote Khusipora Dandergah Noorbagh Palpora Kreshbal Soutra Anachar Narkura Batmallo Bemina Gangbug Barzulla Rambagh Solina Lalmandi Hyderpora Nowgam Rawalpora Channpora Bagi Mahtab Gogo Rangreth Humhama	Paddy, Mustard, Pulse, Vegetable Potato Sericulture Cattle, Kitchen gardening Protected cultivation High density apple plantation Nutrition gardens Backyard poultry	Paddy Blast, Water logging Non availability of quality seed Insect pests , Disease management, low productivity, Less awareness about training and pruning	Awareness about Paddy Blast, formation of growers association/cooperative societies. Vegetable seed production. Seed replacement. Popularization of Exotic vegetable. Area expansion under high value vegetable crops. Value addition of fruits and vegetables. Imparting training on disease management, Awareness cum training on pruning and training. Dairy management, Cultivation of high value vegetables under protected conditions. Organic farming.
2.	Srinagar	Srinagar (Zone Brain)	Rajbagh Khonmoh A & B, Zevan Miskeenbagh Nayedyar Abnivpora Brain Dalgate Nishaat Gupkar Khanyar S Zakura, Gulab Bagh Ahmad Nagar Buchpora Mallabagh Saderbal Lalbazar Nigeen East Nigeen West Dargah	Poultry Cattle Apple, Pear, Paddy Maize. Vegetables Saffron Almond Cherry Fisheries Nadroo. Craft. Apple Pomegranate Pear Quince Fisheries Mushroom Sheep Medicinal plants Nadroo Poultry	Collar rot, root rot, Papery bark, Blast brown spot, Non availability of quality seed Insect pests, Anar butterfly	Imparting Trainings on disease and nutrient management, Laying FLD's. Training and pruning of fruit trees. Vocational trainings on local craft Integrated insect/pest management Cultivation of exotic vegetables. Commercial cultivation of floriculture crops. Pollination management of horticulture crops.
3	Srinagar	Srinagar (Zone Harwan)	Dhara Fakirgujri Shalimar Batapora Mulfaq Chatterhama Burzahama Gassu Telbal Khimber Tikke Sangrassi	Sheep Cattle Floriculture Paddy Strawberry Maize Pulses Apiculture Medicinal plants Pear, Vegetable, Apple Cherry,	Poor pruning and trainings, Low productivity, Root rot. Collar rot Pollination problem Rice blast Papery bark Traditional varieties	Awareness cum training on pruning and training, vocational training on disease management. Integrated nutrient and water management. Integrated disease and insect/pest management in horticulture crops. Commercial cultivation of floriculture crops

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Paddy and Vegetables	➤ Seed replacement and Integrated Crop Management
Vegetable Crops	<ul style="list-style-type: none"> ➤ Introduction and popularizing of HYVs and INM ➤ Popularization of Exotic Vegetables ➤ Development of Peri-urban agriculture ➤ Off-season vegetable cultivation under protected conditions. ➤ Nutrition Kitchen gardening.
Temperate Fruit Crops Apple Grapes Cherry Kiwi	<ul style="list-style-type: none"> ➤ Pollination management, Canopy management & plant architecture. ➤ Promotion of high density plantation ➤ Crop Diversification ➤ IDM, INM and promotion of organics and natural farming
Floriculture	<ul style="list-style-type: none"> ➤ Nursery management ➤ Cut flower Production ➤ Vertical gardening for urban/sub-urban areas
Poultry and Dairy	➤ Profitable and commercial dairy and poultry farming.
Home Science	<ul style="list-style-type: none"> ➤ Balanced Diet ➤ Drudgery reduction ➤ Formation of self help group (SHG) ➤ Vocational training
Capacity Building	➤ Emphasis on Agro-based Income generating activities for mitigation of rural unemployment.
Soil and Water Conservation	<ul style="list-style-type: none"> ➤ Awareness on Natural Resource conservation, environmental protection and efficient resource management. ➤ Special emphasis on Dal and Anchar Lakes and Hill areas.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2023

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
08	08	24	24	25.0	25.83	160	167

3. A.1FLDs Conducted under CFLDs on Oilseed/Pulses:

FLD (Oilseeds/Pulses)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
30 (Mustard-Rabi 2023-24)	30 ha	70	70

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	-	59	-	1893	-	604	-	11616
Rural youth	-	34	-	769	-	-	-	-
Extn. Functionaries	-	14	-	535	-	-	-	-

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement (Qty.)	Target	Achievement (No.)
To provide quality seedlings and planting material of vegetables & fruit plants.	Vegetable Saplings (No.) Tomato:2500 Capsicum: 1850 Cucumber: 220 Bottle gourd: 205 Brinjal: 1145 Knoll Khol: 4520 Onion Seedlings: 1746 Chilli: 2685 Cauliflower: 450 Cabbage: 350 Seed (kg) Field Pea: 20 kg Garlic: 90 kg	Plant Saplings (No.) Apple : 150 Cherry: 80 Apricot Seedlings: 65 Apricot: 68 Plum: 85 Grapes: 100 Pansy Hybrid: 125 Seedling Annual: 520 Shrubs: 48 Marigold, Zinnia, Aster, Celosia: 560	

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	(Poultry) 500	-	(Vermicompost) 3.5 qtls

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.)/ Chemical	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products No. Kg		
01	Weed Management	Flower Nursery Seedlings	Poor Winter Management	Winter Management of Pot/House Plants under Low Tunnel Polyhouse	-	0	01	01	01	01	Use of low cast low poly tunnel+ Protection of root area with mulch (Straw, Cocopeat or Dried leaves	-	-	-	-
02	Nursery Production	Annual Nursery Seedlings	Poor Germination	Nursery Raising of Annuals/Seasonal (Hybrid) on Scientific Guidelines	-	01	01	01	01	01	Seed Sowing at optimum depths using soilless media	-	-	-	-
03	PHM	Bottle Guard	Blackening of bottle guard during drying	Effect of Pretreatment on Drying of Bottle Guard	-	0	01	0	01	01	Dipping in 0.02 % KMS Solution for 15 minutes followed by washing and open Sun Drying	-	-	-	-
04	Fruit Production	Apple	Alternate bearing, small fruit size	Assessment of post bloom chemical thinner on the regularity of bearing & quality of Apple under high density plantation	-	01	0	0	01	01	NAA @ 15ppm, 20-25 days from full bloom	-	-	-	-

05	Fruit Production	Cherry	Cherry cracking, physiological disorders and poor quality	Foliar application of Calcium for improving quality of Cherry	-	01	0	01	01	Three foliar spray of Calcium @0.3% (3g/litre)	-	-	-	-
06	Crop Production & Quality	Maize	Integrated Plant Nutrient Management System	Assessment of Effect of Integrated Nutrient Management on Maize yield of Quality Protein Maize in higher belts	-	01	0	01	02	Nutrient Management in quality Protein Maize	-	-	-	-
07	Fodder Production	Maize	Low green Fodder yield (Tonnage) of local varieties of Maize	Production Performance of Fodder Production of KDFM Fodder Maize	-	01	0	01	01	Package of Practices	-	-	-	-
08	PHT	Tomato	Poor shelf life of Tomato	Shrink Wrap Packing of Tomato for Extension of Shelf-life under Ambient Conditions	-	0	01	01	0	Packaging using shrink wrap (LDPE and PP) at ambient conditions				

3.1 Achievements on technologies assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production				01						01
Weed Management							01			01
Integrated Crop Management						02				02
Integrated Nutrient Management				01						01
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition					02					02
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises							01			01
TOTAL				02	02	02	02			08

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

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

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

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management	01							
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	01							

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

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

3.2. Achievements on technologies Assessed and Refined

3.2.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management	Maize	Nutrient Management in Quality Protein Maize	03	03	0.075
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management	Cherry	03 foliar sprays of Calcium @ 0.3% (3g/litre)	03	03	0.05
	Apple	NAA @ 15 ppm, 20-25 days from full bloom	03	03	0.05
Integrated Disease Management					
Small Scale Income Generation Enterprises	Nursery Seedlings	Seed Sowing at Optimum Depths using Soilless Media			
Weed Management	Pot/House Plants	Use of low cost poly tunnel + Protection of root area with mulch (Straw, Cocopeat or dried leaves)	03	03	0.075
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production	Maize	Package of Practices	03	03	0.05
Value addition	Tomato	Shrink wrap Packaging with (LDPE and PP) at ambient conditions	03	03	-
	Bottle Gourd	Dipping in 0.02% KMS Solution followed by washing and Open Sun Drying	03	03	-
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					

<i>Thematic areas</i>	<i>Crop</i>	<i>Name of the technology assessed</i>	<i>No. of trials</i>	<i>Number of farmers</i>	<i>Area in ha (Per trial covering all the Technological Options)</i>
Total		08	24	24	-

3.2.2. Technologies Refined under various Crops: Nil

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

3.2.3. Technologies assessed under Livestock and other enterprises: Nil

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

Small scale income generating enterprises				
Total			-	-

3.2.4. Technologies Refined under Livestock and other enterprises: Nil

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

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

OFT-1: Winter Management of Pot/House Plants under Low Tunnel Polyhouse

1	Title	Winter Management of Pot/House Plants under Low Tunnel Polyhouse
2	Problem Diagnose/defined	Poor Winter Management
3	Details of technologies selected for assessment/refinement	T1: No/least winter management T2: Use of low cast low poly tunnel T3: Use of low cast low poly tunnel+ Protection of root area with mulch (Straw, Cocopeat or Dried leaves)
4	Source of technology	SKUAST-K
5	Production system thematic area	-
6	Thematic area	Pot/House Plant Management
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	T3: Use of low cast low poly tunnel+ Protection of root area with mulch (Straw, Cocopeat or Dried leaves)
9	Constraints identified and feedback for research	Most pot plants come from subtropical regions, making their winter management challenging even in low tunnel polyhouses.
10	Process of farmer's participation and their reaction	Through diagnostic visits, trainings, visit of farmers to KVK etc

Results of On Farm Trial-1

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of Assessment	Data on the Parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Pot/house plants	Irrigated	Poor Winter Management	Winter Management of Pot/House Plants under Low Tunnel Polyhouse	03	T1: No/least winter management T2: Use of low cast low poly tunnel T3: Use of low cast low poly tunnel+ Protection of root area with mulch (Straw, Cocopeat or Dried leaves)	Mortality rate% and regeneration rate%	Decline in the mortality rate and increase in the regeneration rate observed.	T1: 10% regeneration rate against 90% mortality T2: 60% regeneration rate against 40% mortality T3: 80% regeneration rate against 20% mortality	Satisfactory

OFT-2: Nursery Raising of Annuals/Seasonal (Hybrid) on Scientific Guidelines

1	Title	Nursery Raising of Annuals/Seasonal (Hybrid) on Scientific Guidelines
2	Problem Diagnose/defined	Poor Germination
3	Details of technologies selected for	T1:-Unscientific Seed Sowing (Farmers practice) Technology to be Demonstrated:

	assessment/refinement	T2 : Seed Sowing at optimum depths using soilless media
4	Source of technology	SKUAST-K
5	Production system thematic area	Nursery production
6	Thematic area	Nursery production
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	T ₂ : Sowing of seeds at optimum depth using soilless media
9	Constraints identified and feedback for research	Constraint: Manual seed sowing very difficult and time consuming due to small seed size and light weight. Feedback for research: Mechanized seed sowing could be made possible for commercial nursery growers.
10	Process of farmer's participation and their reaction	Through diagnostic visits, trainings, visit of farmers to KVK etc.

Results of On Farm Trial-2

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
Annual Hybrid Salvia	Irrigated	Poor Germination	Nursery raising of annuals/seasonal (Hybrid) on scientific guidelines	03	T1: Unscientific Seed Sowing (Farmers practice) Technology to be Demonstrated: T2 : Seed Sowing at optimum depths using soilless media	Germination % and Mortality up to transplanting %	Germination %age improved against low mortality rate.	T1: 30-40% germination recorded T2: 60-80% germination ascertained.	Satisfactory

OFT-3: Effect of Pretreatment on Drying of Bottle guard in Open Conditions

1	Title	Effect of Pretreatment on Drying of Bottle Guard in Open Conditions
2	Problem Diagnose/defined	Blackening of bottle guard during drying
3	Details of technologies selected for assessment/refinement	T1: Farmer's Practice T2:Dipping in 0.02 % KMS Solution for 15 minutes followed by washing and open Sun Drying
4	Source of technology	SKUAST-K
5	Production system thematic area	-
6	Thematic area	Drying
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level	Dipping of bottle guard in 0.02% KMS

	situation	
9	Constraints identified and feedback for research	The results of the pretreatment showed no blackening of bottle guard.
10	Process of farmer's participation and their reaction	Satisfactory.

Results of On Farm Trial-3

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
Vegetables	Drying without pretreatment leads to blackening	Blackening of bottle guard during drying	Effect of Pretreatment on Drying of Bottle Guard in Open Conditions	01	SKUAST-K	1) Blackening 2) Rehydration Ratio	1) No Blackening 2) Good Rehydration Ratio	Table below	Satisfactory

Table-3

Treatments	Results
T1: Farmers Practice	Blackening
T2: Dipping in 0.02% KMS Solution	1) No Blackening 2) Good RR Ratio

OFT-4: Assessment of post bloom chemical thinner on the regularity of bearing & quality of Apple Cv. Fuji Zehn Aztec under high density plantation.

1	Title	Assessment of post bloom chemical thinner on the regularity of bearing & quality of Apple under high density plantation
2	Problem Diagnose/defined	Alternate bearing, small fruit size
3	Details of technologies selected for assessment/refinement	T1: Farmers practice (No Thinning) T2: NAA @ 15ppm, 20-25 days from full bloom
4	Source of technology	SKUAST-K
5	Production system thematic area	Fruit Production
6	Thematic area	Crop Load Management
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Naphthalene Acetic Acid (NAA) is recommended as post bloom chemical thinner @ 10-15 mg/liter of water, 7-10 days after petal fall
9	Constraints identified and feedback for research	It is concluded from the study that T1 (NAA @15ppm, 20-25 days from full bloom) sprayed twenty days after full bloom maintained crop load to an optimum level and was effective in attaining better quality and also enhanced the return bloom in cultivar Fuji Zehn Aztec.
10	Process of farmer's participation and their reaction	Satisfactory

Results of On Farm Trial-4

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of Assessment	Data on the Parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Apple	Irrigated	Alternate bearing	Assessment of post bloom chemical thinner on the regularity of bearing & quality of Apple under high density plantation	03	See Table	See Table	Table	See Table	Satisfactory

Table: 4

The plants were raised on M9-T337 and trained on Tall Spindle system with spacing of 1 × 3m. The fruit plants of cultivar Fuji Zehn Aztec were thinned 7-10 Days after petal fall (at 10-12mm fruit let diameter stage). Four branches of uniform girth were selected from each tree for recording different observations

Conclusion

Treatment code	Treatment	Fruit retention (%)	Fruit drop (%)	Return bloom (%)	Yield (kg/tree)	Yield efficiency (kg/cm ²)	Length: breadth Ratio	Fruit weight (g)	SSC (%)	Fruit acidity (%)	SSC: acidity	Total sugars (%)
T ₀	Control	45.00 74.51	62.9 25.48	18.5 51.7	5.2 10.5	0.86	0.87	188.35	14.21	0.59	24.08	9.02
T ₁	NAA @ 15 ppm	94.51 (9.773)	5.49 (2.548)	85.34	20.50	1.41	0.90	223.80	15.87	0.40	40.08	11.07

T₁ performed better in maintaining return bloom with 43.2% over control and maintained optimum crop load and fruit quality in cultivar Fuji Zehn Aztec under high density plantations.

OFT-5: Foliar application of Calcium for improving quality of Cherry

1	Title	Foliar application of Calcium for improving quality of Cherry
2	Problem Diagnose/defined	Cherry cracking, physiological disorders and poor quality
3	Details of technologies selected for assessment/refinement	T1= Farmers Practice (No Spray) T2 = Three foliar spray of Calcium @0.3% (3g/litre)
4	Source of technology	SKUAST-K
5	Production system thematic area	Fruit Production
6	Thematic area	Quality improvement in fruit
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Three foliar spray of Calcium @0.3% (3g/litre) Four weeks after full bloom(last week of April), Third week of May and First week of June
9	Constraints identified and feedback for research	Pre harvest applications of Ca improved fruit yield decreased pedicel shriveling and reduced the incidence of fruit rots.
10	Process of farmer's participation and their reaction	Satisfactory

Results of On Farm Trial-5

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
Cherry	Rainfed	Physiological disorder	Foliar application of Calcium for improving quality of Cherry Cv. <i>Bigarreau Noir Grossa</i> (Mishri)	03	See Table	See Table	Table	See Table	Satisfactory

Table: 5

Treatments	Annual Shoot Growth (cm)	Fruit Yield (Kg tree ⁻¹)	Fruit Calcium (%)	Shelf life (days)
T1= No Spray	18.27	8.38	0.36	03
T2 = Three foliar spray of Calcium @0.3% (3g/litre) (1st Spray= 4 weeks after full bloom (Last week of April) 2nd Spray= Third week of May 3rd Spray= 1st week of June)	20.06	10.10	0.45	07

OFT-6: Assessment of Effect of Integrated Nutrient Management on Maize yield of Quality Protein Maize in higher belts

1	Title	Assessment of Effect of Integrated Nutrient Management on Maize yield of Quality Protein Maize in higher belts
2	Problem Diagnose/defined	Integrated Plant Nutrient Management System
3	Details of technologies selected for assessment/refinement	Nutrient Management in quality Protein Maize
4	Source of technology	SKUAST-K
5	Production system thematic area	
6	Thematic area	Crop Production & Quality
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Needs repeated Trails
9	Constraints identified and feedback for research	Adoptability
10	Process of farmer's participation and their reaction	Satisfactory

Results of On Farm Trial-6

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
Quality Protein Maize	Rainfed	Poor yield & Low Protein Content	Assessment of Effect of Integrated Nutrient Management on Maize yield of Quality Protein Maize in higher belts	03	Nutrient Management in quality Protein Maize	Yeild, Quality and Economics	See Table	See Table	Satisfactory

Table: 6

Treatments	Protein%	Grain yield (q/ha)	Cost of Cultivation (Rs.)	Returns (Rs.)	Benefit (Rs.)	Ratio Benefit/Cost (Rs.)	% superiority over Check
Farmers Practice	3.22	53.77	15930	35500	19570	1.22	7.45
QPM-1	8.96	57.78	27540	93570	66030	2.40	

OFT-7: Production Performance of Fodder Production of KDFM Fodder Maize

1	Title	Production Performance of Fodder Production of KDFM Fodder Maize
2	Problem Diagnose/defined	Low green Fodder yield (Tonnage) of local varieties of Maize.
3	Details of technologies selected for assessment/refinement	T1: Farmers Practice T2: Package of Practices
4	Source of technology	SKUAST-Kashmir
5	Production system thematic area	Fodder Production
6	Thematic area	Fodder Production
7	Performance of the Technology with performance indicators	On going
8	Final recommendation for micro level situation	awaited
9	Constraints identified and feedback for research	-
10	Process of farmer's participation and their reaction	-

Results of On Farm Trial-7

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
Fodder Production	Rainfed	Low green Fodder yield	Production Performance of Fodder Production of KDFM Fodder Maize	03	KDFM (SKUAST)	Green Fodder Yeild	-	-	-

OFT-08: Shrink Wrap Packing of Tomato for Extension of Shelf-life under Ambient Conditions

1	Title	Shrink Wrap Packing of Tomato for Extension of Shelf-life under Ambient Conditions
2	Problem Diagnose/defined	Poor shelf life of Tomato
3	Details of technologies selected for assessment/refinement	T1: Farmer's Practice T2:Packaging using shrink wrap (LDPE and PP) at ambient conditions
4	Source of technology	SKUAST-K
5	Production system thematic area	Horticulture Crop
6	Thematic area	Packaging of Horticulture Production
7	Performance of the Technology with performance indicators	Shelf-Life
8	Final recommendation for micro level situation	Packaging using LDPE along with shrink wrap
9	Constraints identified and feedback for research	Cost efficient at higher production
10	Process of farmer's participation and their reaction	Farmers were satisfied

Results of On Farm Trial-08

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
Tomato	No Pac aging	Poor shelf life of Tomato	Shrink Wrap Packing of Tomato for Extension of Shelf-life under Ambient Conditions	02 No. with 03 replicates	Shrink Wrap	See Table	See Table	See Table	Satisfactory

Table: 08

Results	LDPE film wrapped Tomato	PP film wrapped Tomato	Unwrapped Tomato
Weight Loss (%)	05	6.5	08
Shelf Life Extension (Days)	25* Days	20* Days	15*Days
Storage Conditions (25-28°C) *Acceptable with good firmness			

PART 4 - FRONTLINE DEMONSTRATIONS

4. A. Summary of FLDs implemented during 2023

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	Rainfed/ irrigated	2022-23 (Rabi)	Brown Sarson	SS-2	-	Crop Production	Variety, IDM,INM & Plant Geometry	-	20.0	-	-	50	50	Non availability of seed
	Pulses														
							Crop Production								
	Cereals	Irrigated	2023 (Kharief)	Paddy	SR-4	-	Crop Production	IDM,INM & variety	-	6.25	-	-	25	25	
		Poor nutrient management in families	2023	Multigrain Atta	Commercial varieties	-	Value addition	Multigrain Atta	-	-	-	-	15	15	
	Millets	Underutilization of millet	2023	Ragi Millet	Commercial varieties	-	Value addition	Popularization of millets products viz. flakes, nuggets and flour	-	-	-	-	05	05	
	Vegetables														
	Flowers														
	Fruit	Kharief/Rabi	2023	Apple	Jeromine Redlum Gala King Roat Meema Master	-	Fruit Production	Variety, IDM,INM	-	0.2	-	-	06	06	
	Spices and condiments														
	Commercial														
	Medicinal and														

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	
	aromatic														
	Fodder	Rainfed	2022-23 (Rabi)	Oats	SFO-3	-	Fodder Production	Variety IDM,INM	-	5.0	45	-	85	130	
	Dairy	-	2023	Cattle	-	-	Nutritional Management	UMMB	-	-	-	-	16	16	
	Poultry	-	2023	Poultry Birds	Vanraja	-	Production Management	Backyard Poultry	-	10 birds/ Head	-	-	60	60	
	Piggery														
	Sheep and goat														
	Button mushroom														
	Vermicompost	Dry and Having good drainage facility	2023	Vermicompost	Eisenia fetida	-	Production of input at site	Vermi-Composting	-	12 L x 4B =48 Sq. ft per demo	-	-	15	15	
	IFS														
	Apiculture														
	Implements														
	Others (specify)														

4. A. 1. Soil fertility status of FLDs plots during 2023

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil (Kg/ha)			Previous crop grown
									N	P	K	
	Oilseeds	Irrigated	Rabi.2022-23	Brown Sarson	SS-2	-	Crop Production	INM and IDM	150	11.0	150	Paddy
	Pulses											
	Cereals	Irrigated	Khariief 2023	Paddy	SR-4	-	Crop Production	INM and Line Sowing	158	12.1	164	Mustard
	Millets											
	Vegetables											
	Flowers											
	Fruit	Rainfed	Khariief 2023	Apple	Redlum Gala	-	Fruit Production	INM and Line Sowing	150	12.0	165	Pea
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder	Rainfed	Rabi 2022-23	Oats	SFO-3	-	Fodder Production	INM and IDM	149	11.2	155	Vegetables
	Plantation											
	Dairy											
	Poultry	Khariief	Khariief 2023	Poultry Birds	Vanraja	-	Poultry	Demonstration of feeding	-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil (Kg/ha)			Previous crop grown
									N	P	K	
					American white Pekin		Production	schedule , vaccination and management				
	Piggery											
	Sheep and goat											
	Button mushroom											
	Vermicompost	Dry and Having good drainage facility	Kharief 2023	Vermicompost	<i>Eisenia fetida</i>	-	Production of input at site	Composting through <i>Eisenia fetida</i>	-	-	-	-
	IFS											
	Apiculture											
	Implements											
	Others (specify)											

B. Results of Frontline Demonstrations

4. B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oilseeds (Brown Sarson)	Variety, INM & IDM	SS-2	-	Irrigated	50	20	50	20.0	15.20	9.70	56.70	52000	135000	83000	2.5:1	45700	82750	37050	1.8:1
Pulses																			
Cereals (Paddy)	Variety, Crop Management	SR-4	-	Irrigated	25	6.25	25	6.25	82.50	65.0	26.90	132320	225000	92680	1.7:1	122000	180000	58000	1.4:1
	Multi grain Atta formulation to SHG Women	Commercial Varieties		Poor nutrient management in families	15	-	FLD is ongoing (started in the month of December 2022). Initial reading for families were noted and its impact on health will be calculated after 6 months				-	-	-	-	-	-	-	-	-
Maize	Variety, Crop Management	Shalimar Maize Hybrid-1	-	Rainfed	40	2.5	50.5	-	-	30.50	35.55	55000	112500	57500	2.04:1	55000	85000	30000	1.5:1
Millets	Popularization of Millet based Products	Millet based Products (Ragi based products viz. Ragi Nutri, Ragi flakes and Ragi atta)	-	-	05	-	Highest Sensory score and overall acceptability was for ragi flakes and then ragi Nutri. Ragi flour was least accepted as chapatti from ragi flour was less extendable and turns stale after few hours of storage.				-	-	-	-	-	-	-	-	-
Vegetables	Nutri-garden for Management of Better Health	-	Hybrid varieties of vegetables as per season(Rabi &Kharief)	Poor nutrient management in families	02	0.015	FLD is ongoing and its first trial was sowed in the Rabi Season. Initial reading for families are noted and its impact on health will be calculated after 6 months				-	-	-	-	-	-	-	-	-
Flowers																			
Fruit																			
Spices and condiments																			
Commercial																			

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oilseeds (Brown Sarson)	Variety, INM & IDM	SS-2	-	Irrigated	50	20	50	20.0	15.20	9.70	56.70	52000	135000	83000	2.5:1	45700	82750	37050	1.8:1
Medicinal and aromatic																			
Fodder		(SFO-3)	-	Rainfed	130	5.0	130	5.0	17.20	10.80	38.37	60500	116500	56000	1:1.92	56000	83000	27000	1:1.48

* 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.):

<i>Data on other parameters in relation to technology demonstrated</i>					
<i>Crop</i>	<i>Technology to be demonstrated</i>	<i>Variety/Hybrid</i>	<i>Parameter with unit</i>	<i>Demo</i>	<i>Check</i>
Apple	Weed Management under HDP	Redlum Gala	Weed control efficiency (%):	95.38	67.46

5. B.2. Livestock and related enterprises:

<i>Type of livestock</i>	<i>Name of the technology demonstrated</i>	<i>Breed</i>	<i>No. of Demo</i>	<i>No. of Units</i>	<i>Yield (liters/day and eggs/cycle)</i>			<i>Check if any</i>	<i>% Increase</i>	<i>*Economics of demonstration Rs./unit</i>				<i>*Economics of check (Rs./unit)</i>			
					<i>Demo</i>					<i>Gross Cost</i>	<i>Gross Return</i>	<i>Net Return</i>	<i>** BCR</i>	<i>Gross Cost</i>	<i>Gross Return</i>	<i>Net Return</i>	<i>** BCR</i>
					<i>H</i>	<i>L</i>	<i>A</i>										
Dairy	UMMB	-	20	-	10.0	6.0	8.0	8.5	17.64	4200	9000	4800	2.14	4000	7650	3650	1.68:1
Poultry	Backyard Poultry	Kaveri	60	-	135	80	100	72	87.5	3750	8953	5203	1.39:1	3500	6560	3060	0.87:1
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.): Nil

<i>Data on other parameters in relation to technology demonstrated</i>		
<i>Parameter with unit</i>	<i>Demo</i>	<i>Check if any</i>

6. B.3. Fisheries: Nil

<i>Type of Breed</i>	<i>Name of the technology demonstrated</i>	<i>Breed</i>	<i>No. of Demo</i>	<i>Units/Area (m²)</i>	<i>Yield (q/ha)</i>			<i>Check if any</i>	<i>% Increase</i>	<i>*Economics of demonstration Rs./unit or (Rs./m²)</i>				<i>*Economics of check Rs./unit or (Rs./m²)</i>			
					<i>Demo</i>					<i>Gross Cost</i>	<i>Gross Return</i>	<i>Net Return</i>	<i>** BCR</i>	<i>Gross Cost</i>	<i>Gross Return</i>	<i>Net Return</i>	<i>** BCR</i>
					<i>H</i>	<i>L</i>	<i>A</i>										
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.)

<i>Data on other parameters in relation to technology demonstrated</i>		
<i>Parameter with unit</i>	<i>Demo</i>	<i>Check if any</i>

4. B.4. Other enterprises:

<i>Enterprise</i>	<i>Name of the technology demonstrated</i>	<i>Variety/ species</i>	<i>No. of Demo</i>	<i>Units/ Area {m²}</i>	<i>Yield (q/ha)</i>			<i>Check if any</i>	<i>% Increase</i>	<i>*Economics of demonstration (Rs./unit) or (Rs./m²)</i>				<i>*Economics of check (Rs./unit) or (Rs./m²)</i>				
					<i>H</i>	<i>L</i>	<i>A</i>			<i>Gross Cost</i>	<i>Gross Return</i>	<i>Net Return</i>	<i>** BCR</i>	<i>Gross Cost</i>	<i>Gross Return</i>	<i>Net Return</i>	<i>** BCR</i>	
Button mushroom																		
Vermicompost	Composting through Eisenia fetida	-	15	12 L x 4B =48 Sq. ft per demo	90	50	75	52	73 %	16500	44,100	27,600	2.67	10,600	15300	4700	1.44	
Apiculture																		
Others (pl.specify)																		

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

<i>Data on other parameters in relation to technology demonstrated</i>		
<i>Parameter with unit</i>	<i>Demo</i>	<i>Local</i>
Sale of earthworms (kgs)	5000.00	0.00

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

<i>S. No.</i>	<i>Activity</i>	<i>No. of activities organised</i>	<i>Number of participants</i>	<i>Remarks</i>
1	Field days	05	235	Field days were organized on scientific cultivation of Paddy, Rajmash, Field Pea and Brown Sarson
2	Farmers Training	15	285	Trainings Under FLD were conducted on management practices of various crops/enterprises
3	Media coverage	10	315	Management practices including IDM, INM, IPM etc.
4	Training for extension functionaries	04	145	-
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	1	11	7	18	0	0	0	11	7	18
Seed production										
Nursery management										
Integrated Crop Management	1	13	7	20	0	0	0	13	7	20
Fodder production										
Production of organic inputs										
Others										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	13	28	41	4	0	4	17	28	45
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										

Micro irrigation systems of orchards										
Plant propagation techniques	1	42	5	47	2	0	2	44	5	49
Others	1	36	5	41	2	0	2	38	5	43
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others										
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										
Balance Use of fertilizer										
Soil and Water Testing										
Others										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed management										
Production of quality animal products										
Others	1	0	36	36	0	0	0	0	36	36
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	1	0	15	15	0	0	0	0	15	15
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										
Others										
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										
Others										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	8	115	103	218	8	0	8	123	103	226

(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Vermiculture	1	20	10	30	0	0	0	20	10	30
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production	1	15	10	25	0	0	0	15	10	25

Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition	2	0	28	28	0	0	0	0	28	28
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	3	5	33	38	0	0	0	5	33	38
Post Harvest Technology	1	0	15	15	0	0	0	0	15	15
Tailoring and Stitching										
Rural Crafts	1	0	15	15	0	0	0	0	15	15
Others	2	25	10	35	0	0	0	25	10	35
TOTAL	11	65	121	186	0	0	0	65	121	186

(C) Extension Personnel										
Productivity enhancement in field crops	1	23	16	39	0	0	0	23	16	39
Integrated Pest Management	1	25	15	40	0	0	0	25	15	40
Integrated Nutrient management	1	38	17	55	0	0	0	38	17	55

Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs	1	54	22	76	25	10	35	79	32	111
Group Dynamics and farmers organization	1	25	10	35	0	0	0	25	10	35
Information networking among farmers	1	45	15	60	0	0	0	45	15	60
Capacity building for ICT application	1	30	20	50	0	0	0	30	20	50
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals	1	22	8	30	0	0	0	22	8	30
Livestock feed and fodder production	2	25	17	42	0	0	0	25	17	42
Household food security	1	15	10	25	0	0	0	15	10	25
Women and Child care										
Low cost and nutrient efficient diet designing	2	44	16	60	0	0	0	44	16	60
Production and use of organic inputs										
Gender mainstreaming through SHGs	1	35	10	45	0	0	0	35	10	45
Others	6	125	35	160	2	0	2	127	35	162
TOTAL	20	506	211	717	27	10	37	533	221	754

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	2	17	8	25	12	0	12	29	8	37
Water management										
Seed production	3	97	58	155	17	13	30	114	71	185
Nursery management	1	20	5	25	0	0	0	20	5	25
Integrated Crop Management										

Fodder production										
Production of organic inputs										
Others										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	0	0	0	20	5	25	20	5	25
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization	1	10	0	10	0	0	0	10	0	10
Protective cultivation (Green Houses, Shade Net etc.)	1	12	5	17	0	0	0	12	5	17
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	2	36	19	55	0	0	0	36	19	55
Cultivation of Fruit	3	116	18	134	15	5	20	131	23	154
Management of young plants/orchards	1	28	19	47	0	0	0	28	19	47
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	1	15	8	23	0	0	0	15	8	23
Others	4	81	21	102	0	0	0	81	21	102
c) Ornamental Plants										
Nursery Management										
Management of potted plants	1	20	0	20	0	0	0	20	0	20
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	1	15	10	25	0	0	0	15	10	25
Others										
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	2	33	9	42	0	0	0	33	9	42
Soil and Water Conservation										
Integrated Nutrient Management	1	56	32	88	0	0	0	56	32	88
Production and use of organic inputs										
Management of Problematic soils	1	10	7	17	0	0	0	10	7	17
Micro nutrient deficiency in crops										
Nutrient Use Efficiency	1	14	0	14	0	0	0	14	0	14
Balance use of fertilizer	1	15	7	22	0	0	0	15	7	22
Soil and Water Testing	2	23	15	38	0	0	0	23	15	38
Others	1	10	6	16	0	0	0	10	6	16
IV Livestock Production and Management										
Dairy Management										
Poultry Management	2	10	3	13	10	7	17	20	10	30
Piggery Management										
Rabbit Management										
Animal Nutrition Management	4	65	36	101			0	65	36	101
Disease Management	3	38	16	54			0	38	16	54
Feed management	1	7	0	7	32	18	50	39	18	57

Production of quality animal products	1	13	12	25	0	0	0	13	12	25
Others										
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	1	0	0	0	16	8	24	16	8	24
Minimization of nutrient loss in processing	1	0	0	0	25	20	45	25	20	45
Gender mainstreaming through SHGs										
Storage loss minimization techniques	1	10	10	20	0	0	0	10	10	20
Value addition										
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts	1	0	0	0	15	10	25	15	10	25
Women and child care	1	10	10	20	0	0	0	10	10	20
	1	0	12	12	0	0	0	0	12	12
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	3	88	52	140	0	0	0	88	52	140
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	1	14	0	14	0	0	0	14	0	14
Vermi-compost production	2	19	8	27	0	0	0	19	8	27
Organic manures production	1	20	10	30	0	0	0	20	10	30
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										
Others										
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										
Others										
XI Agro-forestry										
Production technologies										
Nursery management	1	11	2	13	0	0	0	11	2	13
Integrated Farming Systems										
TOTAL	56	933	418	1351	162	86	248	1095	504	1599
(B) RURAL YOUTH										
Nursery Management of Horticulture crops	3	36	26	62	0	0	0	36	26	62
Mushroom Production	1	28	0	28	0	0	0	28	0	28
Bee-keeping										
Integrated farming										
Seed production	1	0	0	0	15	10	25	15	10	25
Production of organic inputs										
Integrated Farming										
Planting material production	1	25	5	30	0	0	0	25	5	30
Vermi-culture	1	15	5	20	0	0	0	15	5	20
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	4	30	49	79	0	0	0	30	49	79
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	4	40	29	69	0	29	29	40	58	98
Post Harvest Technology	6	50	51	101	0	0	0	50	51	101
Tailoring and Stitching	1	0	20	20	0	0	0	0	20	20
Rural Crafts	3	43	82	125	0	0	0	43	82	125
Others	3	10	70	80	0	0	0	10	70	80
TOTAL	28	277	337	614	15	39	54	292	376	668
(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										
TOTAL	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	2	17	8	25	12	0	12	29	8	37
Water management	1	11	7	18	0	0	0	11	7	18
Seed production	3	97	58	155	17	13	30	114	71	185
Nursery management	1	20	5	25	0	0	0	20	5	25
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others	1	13	7	20	0	0	0	13	7	20
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	0	0	0	20	5	25	20	5	25
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	1	10	0	10	0	0	0	10	0	10
Protective cultivation (Green Houses, Shade Net etc.)	1	12	5	17	0	0	0	12	5	17
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	2	36	19	55	0	0	0	36	19	55

Cultivation of Fruit	5	129	46	175	19	5	24	148	51	199
Management of young plants/orchards	1	28	19	47	0	0	0	28	19	47
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	2	57	13	70	0	0	0	57	13	70
Others	5	117	26	143	0	0	0	117	26	143
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	1	20	0	20	0	0	0	20	0	20
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	1	15	10	25	0	0	0	15	10	25
Others	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management										
Soil fertility management	2	33	9	42	0	0	0	33	9	42
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	1	56	32	88	0	0	0	56	32	88

Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	1	10	7	17	0	0	0	10	7	17
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	1	14	0	14	0	0	0	14	0	14
Balance use of fertilizer	1	15	7	22	0	0	0	15	7	22
Soil and Water Testing	2	23	15	38	0	0	0	23	15	38
Others	1	10	6	16	0	0	0	10	6	16
IV Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	2	10	3	13	10	7	17	20	10	30
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	4	65	36	101	0	0	0	65	36	101
Disease Management	3	38	16	54	0	0	0	38	16	54
Feed management	1	7	0	7	32	18	50	39	18	57
Production of quality animal products	1	13	12	25	0	0	0	13	12	25
Others	1	0	36	36	0	0	0	0	36	36
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	1	0	0	0	16	8	24	16	8	24
Minimization of nutrient loss in processing	1	0	0	0	25	20	45	25	20	45
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	10	10	20	0	0	0	10	10	20
Value addition	1	0	15	15	0	0	0	0	15	15
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	0	0	0	15	10	25	15	10	25

Women and child care	1	10	10	20	0	0	0	10	10	20
	1	0	12	12	0	0	0	0	12	12
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	3	88	52	140	0	0	0	88	52	140
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
VIII Fisheries										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0

Bio-fertilizer production	1	14	0	14	0	0	0	14	0	14
Vermi-compost production	2	19	8	27	0	0	0	19	8	27
Organic manures production	1	20	10	30	0	0	0	20	10	30
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics										
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	1	11	2	13	0	0	0	11	2	13
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
TOTAL	64	1048	521	1569	166	86	252	1214	607	1821

(B) RURAL YOUTH										
Nursery Management of Horticulture crops	3	36	26	62	0	0	0	36	26	62
Mushroom Production	1	28	0	28	0	0	0	28	0	28
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	1	0	0	0	15	10	25	15	10	25
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Planting material production	1	25	5	30	0	0	0	25	5	30
Vermi-culture	2	35	15	50	0	0	0	35	15	50
Sericulture	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0

Commercial fruit production	1	15	10	25	0	0	0	15	10	25
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Value addition	6	30	77	107	0	0	0	30	77	107
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Small scale processing	7	45	62	107	0	29	29	45	91	136
Post Harvest Technology	7	50	66	116	0	0	0	50	66	116
Tailoring and Stitching	1	0	20	20	0	0	0	0	20	20
Rural Crafts	4	43	97	140	0	0	0	43	97	140
Others	5	35	80	115	0	0	0	35	80	115
TOTAL	39	342	458	800	15	39	54	357	497	854

(C) Extension Personnel										
Productivity enhancement in field crops	1	23	16	39	0	0	0	23	16	39
Integrated Pest Management	1	25	15	40	0	0	0	25	15	40
Integrated Nutrient management	1	38	17	55	0	0	0	38	17	55
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	1	35	10	45	0	0	0	35	10	45
Formation and Management of SHGs	1	54	22	76	25	10	35	79	32	111

Group Dynamics and farmers organization	1	25	10	35	0	0	0	25	10	35
Information networking among farmers	1	45	15	60	0	0	0	45	15	60
Capacity building for ICT application	1	30	20	50	0	0	0	30	20	50
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Management in farm animals	1	22	8	30	0	0	0	22	8	30
Livestock feed and fodder production	2	25	17	42	0	0	0	25	17	42
Household food security	1	15	10	25	0	0	0	15	10	25
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	2	44	16	60	0	0	0	44	16	60
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Others	6	125	35	160	2	0	2	127	35	162
TOTAL	20	506	211	717	27	10	37	533	221	754

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 (Other)			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
07-01-2023	Progressive Farmer	Importance of Feeding Balanced Ration to Animals	Animal Science	Animal Nutrition Management	01	Off Campus	07	0	07	0	0	0	07	0	07
23-02-2023	Progressive Farmer	Importance of Farm Waste Management	Soil Science	Vermicompost production	01	Off Campus	10	06	16	0	0	0	10	06	16
14-02-2023	Progressive Farmer	Soil Test Analysis of Apple Orchards	Soil Science	Soil Testing	01	Off Campus	18	05	23	0	0	0	18	05	23
15-02-2023	Progressive Farmer	Training Imparted to RHWE Students on Soil Test Analysis	Soil Science	Soil Testing	01	Off Campus	05	10	15	0	0	0	05	10	15
11-02-2023	Progressive Farmer	Importance of Balanced Ration in Small Ruminants	Animal Science	Animal Nutrition Management	01	Off Campus	15	08	23	0	0	0	15	08	23
16-02-2023	Farm women	Silage Making & its Importance in Small Ruminant Nutrition	Animal Science	Animal Nutrition Management	01	Off Campus	07	05	12	0	0	0	07	05	12
23-02-2023	Progressive Farmer	Formation of Urea Molasses, Mineral Block	Animal Science	Feed Management	01	Off Campus	08	08	16	0	0	0	08	08	16
24-02-2023.	Progressive Farmer	Route of Administration of Drugs in Small Ruminants	Animal Science	Disease Management	01	Off Campus	13	06	19	0	0	0	13	06	19
27-02-2023	Progressive Farmer	Care & Management during Lambing	Animal Science	Disease Management	04	Off Campus	15	06	21	0	0	0	15	06	21
28-02-2023	Progressive Farmer	Vaccination & Dosing Schedule of Small Ruminants	Animal Science	Disease Management	01	Off Campus	10	04	14	0	0	0	10	04	14
20-02-2023	Progressive Farmer	Identification of Different Millets	Food Technology	Plant Propagation Techniques	04	Off Campus	0	12	12	0	0	0	0	12	12

17-02-2023	Progressive Farmer	Preparation of Meat Pickle	Home Science	Value Addition	01	On Campus	0	15	15	0	0	0	0	15	15
13-03-2023	Progressive Farmer	Grafting Methods of Stone Fruit Trees	Fruit Science	Management of young plants	01	On Campus	06	15	21	02	0	02	08	15	23
14-03-2023	Progressive Farmer	Grafting Methods of Pome Trees	Fruit Science	Management of young plants	01	On Campus	07	13	20	02	0	02	09	13	22
13-03-2023	Progressive Farmer	Seasonal Sowing of Crops as per Nutritional Requirement of Body	Vegetable Science	Crop Production	01	Off Campus	12	05	17	0	0	0	12	05	17
17-04-2023	Progressive Farmer	Latest Techniques of Paddy Nursery Raising	Agronomy	Nursery Management	01	Off Campus	20	05	25	0	0	0	20	05	25
17-04-2023	Progressive Farmer	Manuring and Fertilizer Management of Field Crop	Agronomy	Fertilizer Management	01	Off Campus	18	06	24	0	0	0	18	06	24
17-04-2023	Progressive Farmer	Importance and Use of Soil Test Based Fertilizer Application for Production of Quality Yield	Soil Science	Fertilizer Management	01	Off Campus	15	07	22	0	0	0	15	07	22
01-05-2023	Progressive Farmer	Importance of Calcium for Improving Quality & Storability in Cherry	Fruit Science	Cultivation of Fruit	01	Off Campus	15	05	20	0	0	0	15	05	20
02-05-2023	Progressive Farmer	Importance of Post Bloom Chemical Sprays on Regulatory of Bearing in Apple under HDP	Fruit Science	IPM	01	Off Campus	17	04	21	0	0	0	17	04	21
15-05-2023	Progressive Farmer	Scientific Production of Maize	Agronomy	Seed Production	01	Off Campus	0	0	0	17	13	30	17	13	30
16-05-2023	Progressive Farmer	Training Programme on Balanced Diet	Home Science	Design & Dev. of Low Cost Diet	01	Off Campus	0	0	0	16	08	24	16	08	24
17-05-2023	Progressive Farmer	Temperate Feed/Fodder Technologies and Animal Health under Tribal Sub Plan	Animal Science	Feed Management	05	Off Campus	0	0	0	32	18	50	32	18	50
17-05-2023	Progressive Farmer	Utilization of Millet in Day to Day Products for Better Nutrition and Value added Products	Food Technology	Production of low volume and high value crops	01	Off Campus	0	0	0	25	20	45	25	20	45

21-05-2023	Progressive Farmer	Nursery Raising of Summer/Winter Annual on Scientific Lines	Agronomy	Nursery Management	01	Off Campus	11	02	13	0	0	0	11	02	13
29-05-2023	Progressive Farmer	Organic Farming	Soil Science	Organic Manure Production	01	Off Campus	20	10	30	0	0	0	20	10	30
29-05-2023	Progressive Farmer	Natural Farming	Agronomy	Others	01	Off Campus	17	08	25	0	0	0	17	08	25
30-05-2023	Progressive Farmer	Demonstration on Dal Weed Composting	Soil Science	Vermicompost Production	01	Off Campus	10	08	18	0	0	0	10	08	18
08-06-2023	Progressive Farmer	Utilization of Millet in Day to Day Products for Better Nutrition”	Food Technology	Production of low volume and high value crops	01	Off Campus	10	10	20	0	0	0	10	10	20
22-06-2023	Progressive Farmer	Introduction of Sweet Corn, Pop Corn and Baby Corn to Farmers	Agronomy	Production of low volume and high value crops	01	Off Campus	0	0	0	20	05	25	20	05	25
23-06-2023	Progressive Farmer	Soil Quality Enhancement of Intensively Cultivated Maize Field	Soil Science	Integrated Nutrient Management	01	Off Campus	10	07	17	0	0	0	10	07	17
16-06-2023	Progressive Farmer	Training Programme on Cherry Cracking	Fruit Science	Disease Management	01	Off Campus	10	0	10	0	0	0	10	0	10
14-07-2023	Progressive Farmer	Pulse Production on Scientific Lines	Agronomy	Integrated Crop Management	01	Off Campus	12	10	22	0	0	0	12	10	22
14-07-2023	Progressive Farmer	Importance and use of Soil Test based Fertilizer Application for Production of Quality Yield	Soil Science	Soil Fertility Management	01	Off Campus	15	03	18	0	0	0	15	03	18
14-07-2023	Progressive Farmer	Integrated Pest Management of Apple Stem Borer	Fruit Science	Pest Management	01	Off Campus	13	06	19	0	0	0	13	06	19
17-07-2023	Progressive Farmer	Raising of Clonal Rootstocks of Fruit Crops”	Fruit Science	Plant Propagation Techniques	01	On Campus	42	05	47	02	0	02	44	05	49
17-07-2023	Progressive Farmer	High Tech Nursery Production of Fruit Crops	Fruit Science	Nursery Raising	01	On Campus	38	05	43	0	0	0	38	05	43
01-08-2023	Progressive Farmer	Integrated Pest Management of Stem Borer	Fruit Science	Integrated Pest Management	01	Off Campus	20	0	20	0	0	0	20	0	20
02-08-2023	Progressive Farmer	Integrated Farming System for Sustainable Agriculture	Agronomy	IFS	01	Off Campus	0	0	0	12	0	12	12	0	12

03-08-2023	Progressive Farmer	Handling, Preparation and Application of Bio Fertilizer	Soil Science	Bio Fertilizer Production	01	Off Campus	14	0	14	0	0	0	14	0	14
03-08-2023	Progressive Farmer	Importance of Biofertilizer in Maintaining Soil Health at village	Soil Science	Bio Fertilizer Production	01	Off Campus	14	0	14	0	0	0	14	0	14
04-08-2023	Progressive Farmer	On Farm Composting through Improved Techniques like Vermicomposting	Soil Science	Vermicompost Production	01	Off Campus	09	0	09	0	0	0	09	0	09
10-08-2023	Progressive Farmer	Awareness Programme on Role of Potassium on Color Development in Apple	Fruit Science	Quality Improvement	01	Off Campus	114	06	120	0	0	0	114	06	120
10-08-2023	Progressive Farmer	Maize Cultivation under Rainfed and Irrigated Conditions	Agronomy	Seed Production	01	Off Campus	10	05	15	0	0	0	10	05	15
11-08-2023	Progressive Farmer	Awareness Programme on Management of Nutrient Deficiencies in Apple Orchards	Fruit Science	Integrated Nutrient Management	01	Off Campus	46	04	50	0	0	0	46	04	50
20-08-2023	Progressive Farmer	Awareness Programme on Assessing the Outbreak of a Soil Arthropod (Millipede) and its Management	Crop Protection	Integrated Pest Management	01	Off Campus	55	46	101	0	0	0	55	46	101
23-08-2023	Farmers/Farm women	Management of Backyard Poultry	Animal Science	Poultry Management	01	Off Campus	10	03	13	0	0	0	10	03	13
01-09-2023	Progressive Farmer	Training Programme on Role of Calcium on Quality of Apple	Fruit Science	Crop Management	01	Off Campus	07	15	25	0	0	0	07	15	25
01-09-2023	Progressive Farmer	Grading, Packing and Handling of Fruits	Fruit Science	Grading and Standardization	01	Off Campus	09	13	22	0	0	0	09	13	22
20-09-2023	Progressive Farmer	Scientific Methods of Drying of Vegetables	Food Technology	Post Harvest Technology	01	Off Campus	10	10	20	0	0	0	10	10	20
21-09-2023	Progressive Farmer	Training Programme on Backyard Poultry Management	Animal Science	Poultry Management	01	Off Campus	0	0	0	10	07	17	10	07	17
30-09-2023	Progressive Farmer	Preservation of Fodder through Silage Making	Animal Science	Integrated Nutrient Management	07	Off Campus	13	12	25	0	0	0	13	12	25

04-09-2023	Progressive Farmer	Importance of Rooting/Mist Chamber for the Propagation of Landscape Plants on Commercial Scale	Floriculture	Propagation Techniques	01	Off Campus	15	08	23	0	0	0	15	08	23
06-10-2023	Progressive Farmer	Orchard Sanitation and Drainage Management of Apple Orchards	Fruit Science	Management of Young Plants	01	Off Campus	32	19	51	0	0	0	32	19	51
06-10-2023	Progressive Farmer	Selection of Site Layout for Establishment of High Density Apple Orchard	Fruit Science	Layout and Management of Orchards	01	Off Campus	16	05	21	0	0	0	16	05	21
10-10-2023	Progressive Farmer	Grading, Packing, Handling and Storage of Apple Fruits	Fruit Science	Grading and Standardization	01	Off Campus	22	13	35	0	0	0	22	13	35
10-10-2023	Progressive Farmer	Training Programme on Home Landscaping	Floriculture	Others	01	Off Campus	15	10	25	0	0	0	15	10	25
06-10-2023 to 12-10-2023	Progressive Farmer	Scientific Cultivation of Brown Sarson & Oats	Agronomy	Integrated Crop Management	07	Off Campus	75	43	118	0	0	0	75	43	118
06-10-2023 to 12-10-2023	Progressive Farmer	Soil Test Based INM and Site Specific Nutrient Management in Oilseed & Oats	Soil Science	Integrated Nutrient Management	07	Off Campus	56	32	88	0	0	0	56	32	88
19-10-2023	Progressive Farmer	Soil and Water Conservation Measures in Sloppy areas in Situ to Preserve Fertility	Soil Science	Integrated Water Management	01	On Campus	13	07	20	0	0	0	13	07	20
19-10-2023	Progressive Farmer	Irrigation Management with the help of Soil Moisture Meter	Soil Science	Integrated Water Management	01	On Campus	11	07	20	0	0	0	11	07	20
24-11-2023	Progressive Farmer	Preparation of UMMB	Animal Science	Feed Management	01	Off Campus	35	15	50	0	0	0	35	15	50
16-11-2023	Progressive Farmer	Potential of Ethenoveterinary Medicinal Practices in Kashmir	Animal Science	Disease Management	01	On Campus	0	36	36	0	0	0	0	36	36
03-11-2023	Progressive Farmer	Scientific Management of Pot/House Plants	Floriculture	Other	01	Off Campus	20	0	20	0	0	0	20	0	20
2nd, 4th and 5th of December 2023	Progressive Farmer	Canopy Management of Low Density Fruit Orchards	Fruit Science	Cultivation of Fruit	03	Off Campus	38	26	64	0	0	0	38	26	64

6th and 7th of December 2023	Progressive Farmer	Canopy Management of High Density Fruit Orchards	Fruit Science	Cultivation of Fruit	02	Off Campus	25	08	33	0	0	0	25	08	33
14-12-2023	Progressive Farmer	Capacity Building Programme for Entrepreneurship Development	Home Science	Women and Child Care	01	Off Campus	0	0	0	15	10	25	15	10	25
w.e.f 10-15th January 2023	Rural Youth	Skill Development Programme on Tree Architecture and Canopy Management in Temperate Fruit Crops	Fruit Science	Crop Management	06	Off Campus	13	16	29	0	0	0	13	16	29
w.e.f 23rd to 30th of January 2023	Rural Youth	Skill Development Programme on Mushroom Farming as an Agri-Business Startup for Employment Generation	Plant Pathology	Integrated Farming	08	Off Campus	28	0	28	0	0	0	28	0	28
w.e.f 30-12-2022 to 06-01-2023	Rural Youth	Skill Development Programme on “Preparation of Variety of Products (Pizza, Muffins, Sandwiches) as Per Market Demand”	Food Technology	Post Harvest Technology	08	On Campus	05	10	15	0	0	0	05	10	15
w.e.f 01-01-2023	Rural Youth	Vocational Training Programme on “Crochet Making”	Home Science	Rural Craft	30	On Campus	0	15	15	0	0	0	0	15	15
27-02-2023	Rural Youth	Grafting of Fruit Trees	Fruit Science	Plant Propagation	07	On Campus	15	10	25	0	0	0	15	10	25
20-02-2023	Rural Youth	Handling, Preparation & Application of Biofertilizer	Soil Science	Fertilizer Management	07	On Campus	10	05	15	0	0	0	10	05	15
17-02-2023	Rural Youth	Entrepreneurship Opportunities in Floriculture	Floriculture	Entrepreneurship Development	07	Off Campus	15	03	18	0	0	0	15	03	18
25-02-2023	Rural Youth	Preparation of Fruit Jelly at Home Scale Level	Food Technology	Post Harvest Technology	01	On Campus	0	15	15	0	0	0	0	15	15
23-02-2023	Rural Youth	Preparation of Lotus Stem Chips	Food Technology	Value Addition	01	Off Campus	0	14	14	0	0	0	0	14	14
18-03-2023	Rural Youth	“Demonstration of Technology for “Preparation of Ragi Sweets”	Food Technology	Value Addition	01	On Campus	0	15	15	0	0	0	0	15	15

06-04-2023	Rural Youth	“Value added Products of Millets”	Food Technology	Value Addition	01	Off Campus	0	10	10	0	0	0	0	10	10
18-04-2023	Rural Youth	“Preparation of Ginger Garlic Paste”	Food Technology	Post Harvest Technology	01	Off Campus	0	10	10	0	0	0	0	10	10
17-04-2023	Rural Youth	Lotus Stem: Importance, Preservation and Value Addition”	Food Technology	Value Addition	01	On Campus	0	13	13	0	0	0	0	13	13
23-05-2023	Rural Youth	Therapeutic Effects of Different Foods and Ways to Enhance Them	Food Technology	Post Harvest Technology	01	Off Campus	13	10	23	0	0	0	13	10	23
27-05-2023	Rural Youth	Pickling and Efficient way of Preservation of Vegetables	Food Technology	Post Harvest Technology	01	Off Campus	12	08	20	0	0	0	12	08	20
29-05-2023	Rural Youth	Scientific Drying of Niche Crops	Food Technology	Post Harvest Technology	01	Off Campus	0	10	10	0	0	0	0	10	10
29-05-2023	Rural Youth	Demonstration on Vermicomposting	Soil Science	Vermicomposting	01	Off Campus	15	05	20	0	0	0	15	05	20
02-06-2023	Rural Youth	“Scientific way of Preparation of Mushroom Pickle”	Food Technology	Value Addition	01	Off Campus	15	05	20	0	0	0	15	05	20
26-06-2023	Rural Youth	“Scientific Layout of Nutri-garden”	Food Technology	Landscaping	01	Off Campus	0	15	15	0	0	0	0	15	15
22-06-2023	Rural Youth	Demonstration of Technology for “Canning of Cherries for its Marketing”	Food Technology	Post Harvest Technology	01	Off Campus	25	0	25	0	0	0	25	0	25
22-06-2023	Rural Youth	Demonstration of Technology for “Preparation of Ragi-Wheat Cakes and Muffins”	Food Technology	Post Harvest Technology	01	Off Campus	15	20	35	0	0	0	15	20	35
10-07-2023	Rural Youth	Strategies of Farmers to Save their Own Seed	Agronomy	Seed Production	01	Off Campus	0	0	0	15	10	25	15	10	25
11-07-2023	Rural Youth	Preparation of Millet Products (Ragi Ladoo)	Food Technology	Value Addition	01	Off Campus	0	0	0	0	29	29	0	29	29
11-07-2023	Rural Youth	Establishment of Ornamental Nursery on Commercial Scale	Floriculture	Nursery Raising	01	Off Campus	10	05	15	0	0	0	10	05	15
14-07-2023	Rural Youth	Food Processing as an Important Sector for Employment Generation	Food Technology	Processing & Cooking	01	Off Campus	10	0	10	0	0	0	10	0	10

16-07-2023	Rural Youth	Vertical Gardening in Urban and Sub Urban areas	Floriculture	Landscaping	01	On Campus	15	05	20	0	0	0	15	05	20
17-07-2023	Rural Youth	Use of Biobins for Composting of Kitchen Waste	Soil Science	Vermicomposting	01	On Campus	20	10	30	0	0	0	20	10	30
18-07-2023	Rural Youth	Importance of Balanced Diet for School Children	Home Science	Women & Child Care	01	Off Campus	0	40	40	0	0	0	0	40	40
20-07-2023	Rural Youth	Entrepreneur Opportunities for Establishing different Agro based Products/ Agro Processing and Marketing of Food	Food Technology	Processing & Cooking	01	Off Campus	25	10	35	0	0	0	25	10	35
21-08-2023	Rural Youth	Different Methods of Cooking without Wastage of Nutrients”	Food Technology	Processing & Cooking	01	Off Campus	08	12	20	0	0	0	08	12	20
04-09-2023	Rural Youth	Utilization of Millets in Day-to Day Life for Better Nutrition	Food Technology	Nutrition Management	01	Off Campus	10	15	25	0	0	0	10	15	25
16-10-2023	Rural Youth	“Entrepreneurship Development through Food Processing”	Food Technology	Processing & Cooking	01	On Campus	0	08	08	0	0	0	0	08	08
03-10-2023	Rural Youth	Scientific Drying of Niche Crops to increase their Commercial Potential	Food Technology	Post Harvest Technology	01	Off Campus	0	13	13	0	0	0	0	13	13
09-10-2023	Rural Youth	Scientific Way of Packing and Storage of Dried Products	Food Technology	Post Harvest Technology	01	On Campus	0	15	15	0	0	0	0	15	15
w.e.f 31-10-2023	Rural Youth	Skill Development Programme on Hand-on-Training on Processing of Fruits/Vegetables	Food Technology	Post Harvest Technology	07	Off Campus	0	16	16	0	0	0	0	16	16
09-11-2023	Rural Youth	Skill Oriented Programme on Flower Production	Floriculture	Others	07	Off Campus	25	70	95	0	0	0	25	70	95
01-11-2023	Rural Youth	Bulb Production of Major Cut Flowers on Scientific Guidelines	Floriculture	Plant Propagation Techniques	01	Off Campus	25	05	30	0	0	0	25	05	30

w.e.f. 26-31, December 2023	Rural Youth	“Capacity Building Training on Tree Architecture, and Raising of Hi-tech Nurseries of Low and High Density Fruit/Nut Crops for Skill Development and Income Generation of Unemployed Youth”	Fruit Science	Layout and Management of Orchards	07	Off Campus	18	10	28	0	0	0	18	10	28
w.e.f 29-12-2023	Rural Youth	Vocational Training Programme on “Cutting and Tailoring”	Home Science	Fashion Designing	30	Off Campus	0	20	20	0	0	0	0	20	20

17-02-2023.	In-Service	Promotion of High Density Plantation and Rejuvenation of orchards	Fruit Science	Rejuvenation of Old Orchards	01	Off Campus	14	08	22	0	0	0	14	08	22
15-02-2023	In-Service	District Level Orientation Programme on Roadmap for Poultry Development	Animal Science	Poultry Management	01	Off Campus	22	08	30	0	0	0	22	08	30
10-02-2023	In-Service	Orientation Cum Programme on Dairy Development under project Holistic Development in Agriculture	Animal Science	Dairy Management	01	Off Campus	13	07	20	0	0	0	13	07	20
13-02-2023	In-Service	Self Sufficiency in Mutton Production in JK under Holistic Development of Agriculture	Animal Science	Others	01	Off Campus	15	10	25	0	0	0	15	10	25
17-02-2023	In-Service	Technological Interventions for Fish Seed and Trout production	Animal Science	Others	01	Off Campus	18	08	26	0	0	0	18	08	26
16-02-2023	In-Service	Mitigation of Fodder Scarcity through Innovative Approaches and benefits of Formation	Animal Science	Feed & Fodder Technologies	01	Off Campus	12	10	22	0	0	0	12	10	22
20-02-2023	In-Service	Promotion of Wool/Pelt	Animal Science	Production of Quality Animal Products	01	Off Campus	16	04	20	0	0	0	16	04	20
13-03-2023	In-Service	Promotion of Bee Keeping	Plant Protection	Others	01	Off Campus	25	10	35	0	0	0	25	10	35
03-03-2023	In-Service	Agriculture on Promotion of Vegetables/Exotic Crops	Vegetable Science	Crop Diversification	01	Off Campus	23	16	39	0	0	0	23	16	39

24-03-2023	In-Service	Formation of 300 FPOs	Agri Extension	Linkage Management	01	Off Campus	79	32	111	0	0	0	79	32	111
08-03-2023	In-Service	Promotion of Medicinal & Aromatic Plants	Forestry	Crop Diversification	01	Off Campus	19	16	35	0	0	0	19	16	35
29-03-2023	In-Service	Promotion of Commercial Floriculture	Floriculture	Integrated Farming System	01	Off Campus	26	15	41	0	0	0	26	15	41
01-04-2023	In-Service	HADP on Alternate Agriculture System	Agronomy	Precision Agriculture	01	Off Campus	35	10	45	0	0	0	35	10	45
03-04-2023	In-Service	HADP on Sensor Based Smart Conducted	Agronomy	Precision Agriculture	01	Off Campus	30	20	50	0	0	0	30	20	50
05-04-2023	In-Service	HADP on Minimizing Pesticide Use in Agriculture	Plant Protection	Integrated Pest Management	01	Off Campus	25	15	40	0	0	0	25	15	40
07-04-2023	In-Service	HADP on Soil & Land Resource conducted	Soil Science	Soil Fertility Management	01	Off Campus	38	17	55	0	0	0	38	17	35
10-04-2023	In-Service	HADP on Innovative Extension conducted	Agri Extension	Innovative Extension	01	Off Campus	45	15	60	0	0	0	45	15	60
07-07-2023	In-Service	Entrepreneurship Opportunities Wool under HADP	Animal Science	Production of Quality Animal Products	01	Off Campus	25	0	25	0	0	0	25	0	25
6th to 8th November 2023	In-Service	Grading, Packing, Handling and Marketing of Fruits” in collaboration with Division of FST, FOH, SKUAST-K	Fruit Science	Post Harvest Technology	03	Off Campus	28	0	28	0	0	0	28	0	28
08-11-2023	In-Service	“Implementation of FSSAI for Marketing of Food Products”	Food Technology	Trade & Marketing	01	Off Campus	25	0	25	0	0	0	25	0	25

D) Vocational training programmes for Rural Youth:

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Tot	Type of units	Number of units	Number of persons employed	
Rural Craft	w.e.f 29-12-2023	Cutting and Tailoring	Fashion Designing	30	0	20	20	SHG	01	03	-
Rural Craft	w.e.f 01-01-2023	Crochet Makin	Rural Craft	30	0	15	15	SHG	02	05	-
Cereals and millets	17-05-2023	Utilization of Millet in Day to Day Products for Better Nutrition and Value added Products	Cereals and millets	07	25	20	45	NA	NA	NA	NA
Cereal Crops	06-10-2023	Scientific Cultivation of Brown Sarson & Oats	Integrated Crop Management	07	75	43	118	NA	NA	NA	NA
Cereal Crops	06-10-2023	Soil Test Based INM and Site Specific Nutrient Management in Oilseed & Oats	Integrated Nutrient Management	07	56	32	88	NA	NA	NA	NA
Fruit Crops	02-12-2023	Canopy Management of Low Density Fruit Orchards	Cultivation of Fruit	05	38	26	64	NA	NA	NA	NA
Fruit Crops	06-12-2023	Canopy Management of High Density Fruit Orchards	Cultivation of Fruit	05	25	08	33	NA	NA	NA	NA

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes conducted by KVK:

S. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/R/Y/E/F)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
01	w.e.f 10-15th Jan. 2023	Skill Development Programme on Tree Architecture and Canopy Management in Temperate Fruit Crops	Fruit Science	Crop Management	06	RY	01	13	16	29	0	0	0	13	16	29	MANAGE Hyderabad	42000

02	w.e.f 23rd to 30th of January 2023	Skill Development Programme on Mushroom Farming as an Agri-Business Startup for Employment Generation	Plant Protection	Integrated Farming	08	RY	01	28	0	28	0	0	0	28	0	28	MANAGE Hyderabad	42000
03	w.e.f 30-12-2022 to 06-01-2023	Skill Development Programme on "Preparation of Variety of Products (Pizza, Muffins, Sandwiches) as Per Market Demand"	Value Addition	Post Harvest Technology	08	RY	01	05	10	15	0	0	0	05	10	15	MANAGE Hyderabad	42000
04	w.e.f 31-10-2023	Hand-on-Training on Processing of Fruits/Vegetables	Processing of Fruits/Vegetables	Post Harvest Technology	08	RY	01	0	16	16	0	0	0	0	16	16	-	-
05	w.e.f. 26-31, Dec. 2023	"Capacity Tree Architecture, and Raising of Hi-tech Nurseries of Low and High Density Fruit/Nut Crops	Raising of Nurseries	Layout and Management of Orchards	07	RY	01	18	10	28	0	0	0	18	10	28	-	-

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

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

6. Extension Activities (including activities of FLD programmes)

Nature of Activity	No. of Activities	SC/ST (Farmers)			OBC/Other (Farmers)			Extension Officials			Grand Total		
		(I)			(II)			(III)			(I+II+III)		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	08	45	28	73	90	60	150	3	2	5	138	90	228
Kisan Mela	04	105	55	160	1025	510	1535	10	5	15	1140	570	1710
Kisan Ghosthi	05	45	35	80	90	52	142	3	2	5	138	89	227
Exhibition	20	58	30	88	225	150	375	5	3	8	288	183	471

Film Show	45	120	45	165	450	162	612	4	5	9	574	212	786
Method Demonstrations	42	128	45	173	415	290	705	6	4	10	549	339	888
Workshop	25	145	68	213	325	250	575	4	3	7	474	321	795
Lectures delivered as resource persons	75	315	110	725	510	225	735	28	16	44	853	351	1204
Newspaper coverage	20	0	0	0	0	0	0	0	0	0	0	0	0
TV talks	35	0	0	0	0	0	0	0	0	0	0	0	0
Popular articles	10	0	0	0	0	0	0	0	0	0	0	0	0
Extension Literature	13	145	50	195	398	120	518	25	20	45	568	190	758
Advisory Services	38	130	85	215	300	165	465	21	16	37	451	266	717
Scientific visit to farmers field	125	210	90	300	525	225	750	11	8	19	746	323	1069
Farmers visit to KVK	85	230	60	290	450	285	735	0	0	0	680	345	1025
Diagnostic visits	25	90	65	155	225	170	395	16	12	28	331	247	578
Exposure visits	15	160	75	235	500	225	725	12	8	20	672	308	980
Ex-trainees Sammelan	01	0	0	0	20	15	35	0	0	0	20	15	35
Soil health Camp	01	0	0	0	20	5	25	3	2	5	23	7	30
Animal Health Camp	02	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	10	10	8	18	65	28	93	2	2	4	77	38	115
Total	604										7722	3894	11616

6. B. Kisan Mobile Advisory Services

Kisan Mobile Advisory									
Name of the KVK	No. of farmers Covered	No. of Advisories Sent	Type of messages						
			Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Any other
Srinagar	16000	86	45	20	10	05	05	01	-

6. C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

No. of Technology week celebrated	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
01	Gosthies	1	75	
	Lectures organized	5	70	Vegetables, Poultry, Dairy ,Mushroom
	Exhibition	1	45	
	Film show	4	50	
	Fair	1	25	
	Farm Visit	1	30	
	Diagnostic Practicals	2	45	
	Distribution of Literature (No.)	3	70	
	Distribution of Seed (q)	1.5	30	
	Distribution of Planting materials (No.)	175	55	
	Bio Product distribution (Kg)	0	0	
	Bio Fertilizers (q)	0	0	
	Distribution of fingerlings	0	0	
	Distribution of Livestock specimen (No.)	0	0	
	Total number of farmers visited the technology week	Total	495	

7. Production and supply of Technological products

A) SEED MATERIALS:

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
OILSEEDS					
PULSES					
VEGETABLES	Garlic	Local	0.85	2450	15
	Pea	HFP-715	0.35	2850	10
FLOWER CROPS					

OTHERS (Specify)					

*An example for guidance only

B) PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Apple	Redlum Gala	150		
	Cherry	Ragina	80		
	Apricot	CITH-1	65		
	Plum	Santa Rosa	85		
	Grapes	Sahabi	100		
SPICES					
VEGETABLES	Capsicum	Shalimar	1850		
	Cauliflower	Snow White	450		
	Cabbage	Golden acre	350		
	Brinjal	Local Long	1145		
	Tomato	Shalimar Hybrid-1	2500		
	Onion Seedlings	Red Globe	1746		
	Cucumber	JGL	220		
	Bottle guard	Shalimar Improved	205		
	Knol Khol	Early White Veina	4520		
	Chilli		2685		

FOREST SPECIES					
ORNAMENTAL CROPS	Pansy Hybrid		125		
	Seedling Annual		520		
	Shrubs		48		
	Marigold, Zinnia, Aster, Celosia		560		
PLANTATION CROPS					
Others (specify)					

*An example for guidance only

C) **BIO PRODUCTS:** Nil

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

D) **LIVESTOCK:**

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			No.	Kgs		
Cattle						
SHEEP AND GOAT						
POULTRY	Backyard Poultry	Kaveri	500 No.		25550	70
FISHERIES						
Others (Specify)	Ducks	Local	20 No.		10000	07

* An example for guidance only

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

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

(A) **KVK News Letter** – (Name, Date of start, periodicity, number of copies distributed, etc.)(B) **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	Temporal prevalence of insect pests on walnut & their associated natural enemies under temperate conditions of Kashmir. <i>The Pharma Innovation</i>	Dr. Sajad Mohiuddin, Showket Ahmad Sheikh, Munazza Yaqoob	10

<i>Item</i>	<i>Title</i>	<i>Authors name</i>	<i>Number of copies</i>
	Journal SP-11(9): 2759-2763		
	Incidence and Severity of Blister Mite (Eriophyeserinea Nalepa) on Walnut (Juglans regia L.) under Temperate Conditions of Kashmir Valley. <i>Asian Journal of Agricultural Extension, Economics & Sociology, Volume 41, Issue 6, Page 47-51, 2023; Article no.AJAEES.99267,ISSN: 2320-7027</i>	Sajad Mohi-Ud-Din, Showkat Ahmad Sheikh, Munazah Yaqoob, Mohd. Ayoob Mantoo, Liyaqat Ayoub, Waseem Ahmad War, and Zuhaib Farooq	08
	Field efficacy of entomo pathogenic nematodes against two lepidopteron pests of brassica oleracea var. Khanyari In hilly areas of Kashmir valley, India. <i>J. Exp. Zool. India Vol. 26, No. 1, pp. 545-553, 2023</i>	Mohammad Jamal Ahmad1 Sajad Mohiuddin and Abu Manzar3	12
	Biochemical, nutraceutical and phytochemical characterization of chia and basil seeds: A Comparative Study. <i>International Journal of Food Properties, 26:1, 1-13</i> DOI: https://doi.org/10.1080/10942912.2022.2151617	Tabeen Khursheed, Tabassum Fatima, Tahiya Qadri, Aasima Rafiq, Ajaz Malik, Bazila Naseer & Syed Zameer Hussain	08
Total	04		38
Technical reports	-	-	-
Technical bulletins	-	-	-
Total	-	-	-
Popular articles	KVK Srinagar begins Initiative to turn waste into compost An article in Rising Kashmir, 2022	Uzma Bashir	50
	Malva neglecta–Herb for Health. Just Agriculture (e-ISSN: 2582-8223), Vol.2 Issue-8, APRIL 2022	Bushra Manzoor and Aasima Rafiq	10
	A perfect Detoxifying Drink – Apple Cider Vinegar. Just Agriculture (e-ISSN: 2582-8223) Vol.2 Issue-7, MAR 2022	Mumtahirul Kousar, Bushra Manzoor, Aasima Rafiq and Abida Jabeen	35
Total	03	-	95
Training Manual	-	-	-
Total	-	-	-
Extension literature	-	-	-
Folders /leaflets	Chapter 29: Revival of millets as a natural remedy for combating hidden hunger- Book chapter in Emerging Techniques in Food Processing by New India Publishing Agency (NIPA)	Aasima Rafiq, Mariya Nayeem and Abida Jabeen	-
	Chapter 25: Quinoa: A Medical Marvel- Book chapter in Emerging Techniques in Food Processing by New India Publishing Agency (NIPA)	Mariya Nayeem and Aasima Rafiq	-
	Chapter 9: Xanthan gum based films in book on "Polysaccharide Based Films for Food Packaging: Fundamentals, Properties and Applications" to be published in Springer Nature.	Abida Jabeen, Aasima Rafiq, Mariya Nayeem, Bushra Manzoor	-
	Chapter 17. Challenges in commercialization of polysaccharide based films in book on "Polysaccharide Based Films for Food Packaging: Fundamentals, Properties and Applications" to be published in Springer Nature.	Aasima Rafiq, Abida Jabeen, Mariya Nayeem, Bushra Manzoor and Mumtahir-ul-Kausar	-
	CHAPTER 4: CEREAL AND MILLET-BASED PRODUCTS: TRANSFORMATION FROM CONVENTIONAL TO NOVEL –Book chapter in the book entitled “Functional Foods Beyond the Fundamentals: Conventional to Novel” published	Aasima Rafiq, Mariya Nayeem, Bushra Manzoor	-

<i>Item</i>	<i>Title</i>	<i>Authors name</i>	<i>Number of copies</i>
	by Cambridge scholars Publishing		
TOTAL	05	-	-

(D) **Details of Electronic Media Produced:** Nil

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

(E) **Mobile App developed by KVK:** Nil

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 photographs)**

A) **Instant Namkeen Chai (Noonley)**

1. **Title of the Success Story:**

- Instant Namkeen Chai (Noonley)



Namkeen Chai or noonchai is a traditional tea preparation from the Kashmir region of India, which is known for its unique taste and aroma. However, the traditional process of making noonchai involves boiling or steeping tea leaves in water for a long time, which can be time consuming and energy intensive. Moreover, the addition of baking soda, which is commonly used in the traditional preparation, has been associated with health risks such as gastric cancer. Therefore, there is a need for an instant and healthy alternative to traditional noonchai.

2. **Department:**

- KVK Srinagar, (SKUAST-Kashmir)

3. **Background Information:**

- **Location:**
 - KVK Srinagar (Jammu & Kashmir)
- **Beneficiary Details:**
 - Dr. Saima Paul (Sr. Scientist)
 - 7006951240

4. **Objectives:**

- To facilitate the local community by Energy and Time

5. **Description of the Initiative:**

- **Overview:**

The present invention provides an instant Namkeen Chai or noonchai powder mix called Noonley, which can be prepared instantly by simply adding hot water and milk. The Noonley mix is made from pure and natural ingredients without any harmful chemicals or baking soda. It contains essential electrolytes, vitamins, and antioxidants that can help boost energy levels, immunity, and overall health. The instant preparation of Noonley saves time, energy, and resources, making it a convenient and affordable option for people who love the taste of Kashmiri noonchai.

- **Implementation Process:**

We have faced many challenges & constraint but by the help of university we over come all the problems especially by the SKUAST-K INNOVATION, INCUBATION & ENTREPRENEURSHIP CENTRE (SKIE) under start up programme

- **Stakeholders Involved:**

- Local Communities

- **Duration:**

- 1 ½ year

6. Innovations and Best Practices:

- Harmful chemicals used in manufacturing Natural and herbal ingredients used. No baking soda included in the procedure. Noonley Sachet makes it easy to prepare. No harmful chemicals used in manufacturing Natural and herbal ingredients used Noonley Instant Noon Chai - Convenient and Healthy boosts energy levels instantly

7. Results and Impact:

- **Quantitative Outcomes:**

- Whether you are in hurry for the day, you are running low on energy; Noonley (Instant Namkeen Chai) helps you as a magical cup in your hand.
- Easy to Make.
- Need fewer ingredients
- Time saving
- Flavor Taste

- **Qualitative Outcomes:**

- NA

- **Sustainability:**

- Awaited

8. Challenges Faced:

The process of making Noon Chai is by boiling kashmiri tea in water for a quiet long time which can be hectic and consume alot of fuel due to which common people struggle through hefty electricity gas bills but here comes the savour Nooley instant noonchai no problem in waiting and consuming so much to get perfect pick tea9. Lessons Learned:

- Strengthening market Strategies

10. Future Plans:

- Come up with start up.

11. Visuals:

- Attach geo tagged photographs, to support the story.

12. Contact Information:

- Dr. Saima Paul (Sr. Scientist)
- 7006951240/saimapaul991@gmail.com



B) Ornamental Nursery

1. Title of the Success Story:

- Ornamental Nursery

2. Department:

- KVK Srinagar

3. Background Information:

- Location:



Foreshore Road Doji Mohalla, Habak, 190006, Srinagar, J&K

- **Beneficiary Details:**

Name: Farooz Ahmad Doji
 Contact Information: The Golden Hands, Foreshore Road Doji Mohalla,
 Habak, 190006, Srinagar, J&K, 9018090705

4. Objectives:

Farooz Ahmad, an entrepreneur in the ornamental nursery industry, sets his sights on a variety of goals aimed at achieving success and making positive impact in his selected field of entrepreneurship. Being passionate about ornamental plants has set number of objectives for himself Viz Business Growth, Quality and Variety, Customer Satisfaction, Sustainability, Innovations, Community Engagements etc.

5. Description of the Initiative:

- **Overview:**

Initially, Mr. Farooz Ahmad Doji was running this unit on very low returns because of less productivity out of all production areas. However, upon connecting with KVK Srinagar, all the technical challenges were promptly addressed, leading to a sharp surge in the annual production and sales

- **Implementation Process:**

The entrepreneur's difficulties were tackled through a series of farmer scientist interactions, Demonstrations (FLDs), Hands on trainings, diagnostic visits etc. covering major issues such as production, finance, and technical matters.

- **Stakeholders Involved:**

KVK Srinagar, SKUAST-K, Department of Floriculture

- **Duration:**

Nov. 2022 to March 2024

6. Innovations and Best Practices:

- Use of PGR for rooting of ornamental plants for enhanced propagation coefficient.
- Use of soilless media for raising of hybrid annual flower nursery.
- Transplanting of optimum aged (20 days) hybrid annuals into polybags.
- Fungicidal Drenching of nursery (Hybrid annual nursery) for early redressal of nursery diseases like Damping off etc.
- Use of shade house for hardening of nursery plants before sale.

7. Results and Impact:

- **Quantitative Outcomes:**

Following various interventions by the KVK, the scale of the business experienced significant growth in terms of both production and annual returns. Prior to the interventions, annual returns were in the range of 8-10 lakhs, which increased to 25-30 lakhs post-intervention.

- **Qualitative Outcomes:**

- Presently due to the increased net income Mr. Farooz Ah Doji is diversifying his business in an IFS based model and entered in the production of Hybrid vegetable seedling production and is planning to start dairy business along with duckery.
- Mr. Farooz Ah Doji up scaled his skill as he got qualified in RPL program (Nursery Worker) sponsored by Agricultural Skill Council of India (ASCI)

- **Sustainability:**

- Ensuring the sustainability of the results achieved, involves setting and tracking specific, monitorable indicators. These indicators help assess the ongoing health and success of the nursery while promoting environmentally responsible practices. Here are some key monitorable indicators:
 - Plant Health and Quality
 - Environmental Impact
 - Waste Management
 - Biodiversity and Conservation
 - Economic Performance: Year-over-year increase in sales and profitability.
 - Customer Satisfaction: Customer feedback and repeat business rates.
 - Employee Well-being: Job satisfaction, training opportunities, workplace safety etc.
 - Community Engagement: Participation in local events, educational workshops, and partnerships with community organizations.
 - Sustainable Practices Adoption: Use of organic fertilizers, pest control methods, soil amendments and reuse of nursery materials.
 - Customer and Market Response: Trends in customer preferences for sustainably grown plants.
- **8. Challenges Faced:**

Problems and Challenges:

The initial problems and challenges faced by the entrepreneur for setting up ornamental nursery likely revolved around several key aspects:

- **Plant Cultivation and Care Knowledge:**
- **Location Selection:**
- **Resource Management and Investment:**
- **Market Research and Demand Analysis**
- **Seasonal and Weather Challenges:**
- **Competition and Differentiation:**

Solution:

Initially, Mr. Farooz Ahmad Doji was running this unit on very low returns because of less productivity out of all production areas. However, upon connecting with KVK Srinagar, all the technical challenges were promptly addressed, whether it was low propagation coefficient, low germination in hybrid annual nursery, disease incidence etc. leading to a sharp surge in the annual production and net returns.

9. Lessons Learned:

- Key lessons learned during the implementation of the initiative were timely implementation of the interventions, use of method demonstrations instead of theoretical lectures etc.

10. Future Plans:

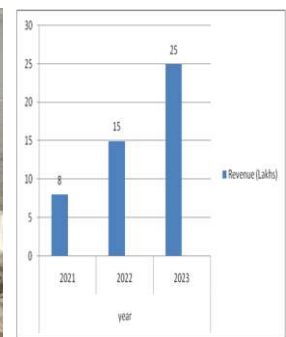
- Future plan for scaling up is to prepare Mr. Farooz Ah Doji for production of Instant Plant Nursery (Full Grown Plants)
- Further this initiative shall be replicated with other nursery growers as well.

11. Visuals:

- Attach geo tagged photographs, to support the story.

12. Contact Information:

- Dr. Gazanfer Gani
- Contact details: gazanfer.yatoo@gmail.com, 7006384481



C) Al-Riziq -The Purest One

1. Title of the Success Story:

- Al-Riziq -The Purest One

2. Department:

- Krishi Vigyan Kendra Srinagar, SKUAST-Kashmir

3. Background Information:

- **Location:**
 - Srinagar, Jammu & Kashmir
- **Beneficiary Details:**
 - Ms. Afsha Jan
 - Rajouri Kadal, Srinagar, Jammu & Kashmir

-

4. Objectives:

- Development of Innovative Food Entrepreneur
- Promotion of local products in proper packaging and enhanced shelf-life

5. Description of the Initiative:

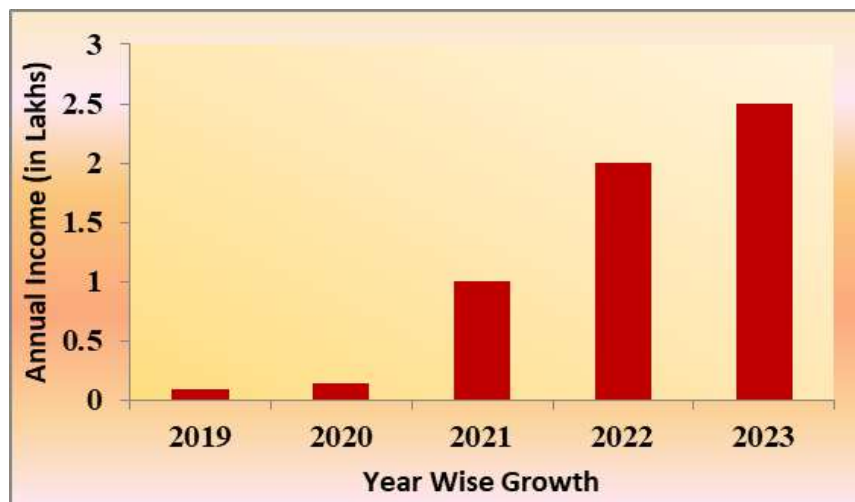
- **Overview:**
 - KVK Srinagar provides time-to-time training, guidance, support and valuable insights.
 - Helped in developing a solid business strategy, including product development, pricing strategies, distribution channels, and marketing plans.
 - Introduced my enterprise to key contacts and facilitate partnerships that can help accelerate growth and expansion through participation in various exhibitions.
 - Provide feedback and constructive criticism to help my enterprise continuously improve and grow.
 - Overall, KVK Sgr serves as a trusted advisor and guide, offering support, encouragement, and expertise to help my food entrepreneur navigate the challenges of starting and growing my business.
- **Implementation Process:**
 - First of all we did Market Analysis to understand the target audience, competitors, and potential demand.
 - Then we drafted a detailed business plan and budgeting: Startup costs, ongoing expenses including equipment, licenses, permits, ingredients, marketing, and staff.
 - Opted for subject specific training programs to ensure team is well-versed in food safety, customer service, and business's specific protocols.
 - Applied for FSSAI Registration
 - Prepared small lot of variety of food products and utilized various marketing channels such as social media, local advertising, in order to engage with customers and provide information about our products.
- **Stakeholders Involved:**
 - Krishi Vigyan Kendra Srinagar, SKUAST-Kashmir
 - Div. of FST, SKUAST-K
 - Innovation Centre SKUAST-K
 - IUST, Awantipora
 - Deptt. of Agriculture Deptt, Lal Mandi
- **Duration:**
 - 2.5 year

6. Innovations and Best Practices:

- All food Products prepared under brand name AL-RIZIQ are innovative and prepared with high standard
- Some of the innovative products are Fig Date Jam, Date chutney, Acacia Nutty Delight and Masala Tikki with Saffron.

7. Results and Impact:

- **Quantitative Outcomes:**



Total income generated from sales over a specific period

- **Qualitative Outcomes:**

- Honoured as Champion farmer -2023 at SKUAST-K
- Achiever of the year Award 2023 from SKUAST -K
- Recommended by KVK Sgr in recognition of outstanding contribution in the field of Food processing
- Received Aaghaz National Entrepreneurship contest 2023 Award in presence of Chief Secretary J &K UT.
- Received a seed money of 1 lac rupees for her start-up from innovation centre of SKUAST-K

- **Sustainability:**

Sustainability of products are maintained using locally grown ingredients, minimizing food waste through efficient inventory management, and using eco-friendly packaging. Also sustainability can be maintained using energy-efficient practices in production, reducing water consumption, and supporting fair trade and ethical practices. By prioritizing these measures, pure food products can achieve environmental responsibility, social equity, and economic viability, ensuring a healthier planet and a sustainable business model.

8. Challenges Faced:

- As the products are prepared from high quality ingredients, the cost enhancement of products is main challenge.
- Suitable Market for sale.

9. Lessons Learned:

- Summarize the key lessons learned during the implementation of the initiative.

10. Future Plans:

- Outline any future plans for scaling up or replicating the initiative.

11. Visuals:



12. Contact Information:

- Dr. Aasima Rafiq, Scientist KVK Srinagar
- Email: aasima20@gmail.com
- +91-7006813945

D) Success Story: Organic Vegetable Production



Introduction:

Parveena D/O Ghulam Ahmad Reshi and a school dropout, is a resident of Syedpora Harwan of Srinagar District in Jammu and Kashmir, India. Since her childhood she was more inclined towards agriculture, rural activities and a practicing farmer. She opted Agriculture occupation for his livelihood. But she wanted to do something different. That is when he decided to start Organic vegetable production because farmers have been repeatedly and unconsciously using the chemical fertilizers and pesticides for vegetable production. Due to this soils as well as environment is becoming harmful that is exerting its detrimental effects on general people. Some farmers are very conscious about this fact and hence they are being diverted towards organic vegetable production which is the solution of present day.

Intervention:

She was taking these crops successfully but always wanted to experiment with something with potential for higher returns with minimum investment. She participated in one week skill based training programme conducted by KVK Srinagar. she was introduced to different techniques like crop rotation, green manuring, on and off farm composting, biological pest and disease control for Propagating Organic vegetable through the Programme conducted on “**Organic Vegetable Production**”. The skill based training programme helped Smt. Parveena to acquire knowledge and skill required for organic vegetable production which encouraged her to take up growing vegetables organically as an income generating activity. She was very impressed with the lectures and demonstrations given to him and to set up the organic vegetable farming in her field. Her family also supported her to start the organic vegetables production.

Output:

Before training she was able to generate an income of not more than 2.00 lakhs annually. The implementation of various skills acquired during the training helped her generate an income of more than Rs 5.0 lacks per year from the various activities undertaken utilizing the same resources. Now She is growing crops of Peas, Garlic, Onion, Spinach, Carrot, Spinach, Fenugreek in Rabi Season and Tomatoes, Brinjal, Chillies, Capsicum, cucumber etc in Kharif season in his field. By doing this farming, their cost price has been reduced a great extent and as a result of good production and good quality products are also been obtained. She also produces seeds of these crops in her fields which she distributes to others farmers in the village for cultivation.

Skills learnt during the training programme helped her understand the importance of Organic farming with reference to composting, use of natural products for the control of diseases and pests, use of biofertilizers as a source of organic fertilizers.

Outcome:

By observing the income and passion of Parveena, other ladies from that locality are also interested in taking up organic farming like her.

She has emerged as a role model for local women in producing and marketing of organic vegetables and is considered as an example by rural youth. Parveena has created a self help group (SHG Pari) having 10 members wherein she is active as a president of the group.

She shared her knowledge with women farmers from her village and is also contributing by participating in various activities of KVK. To recognize her efforts in the field of Organic Farming Parveena been awarded with a cash prize of Rs 8000 and Rs. 5000 as president of SHG Zone Harwan from department of agriculture Kashmir. Received a certificate of Appreciation letter and a gold medal on occasion of Kissan Samaan Diwas,

Hon'ble Vice Chancellor SKUAST K for doing a commendable work under organic farming on the recommendation of KVK Srinagar and shared her experience with fellow farmers.

		
<p>Before Intervention</p>	<p>Training received through KVK</p>	<p>After Intervention Cultivation of organic vegetables under protected cultivation</p>
		
<p>Organic Vegetable Seed Production</p>	<p>Received certificate of Appreciation letter from Sr. Scientist and Head KVK Srinagar</p>	

E) Success story: Food Processing and Value Addition

Introduction: Faris Mushtaq is an educated rural youth of Rambirgarh Srinagar. He was not sure regarding the sustainable economic profitability of planned agri entrepreneurship unit. He had no income of his own and would support his father in carrying out the routine agricultural work on his 20 kanals of agriculture farm under vegetable cultivation. The economic returns from his farm were insufficient to support the needs of his family. He is perusing higher education and had to toil hard to even arrange the money for his education.



Intervention: Mr. Faris is a unique example of agri entrepreneur in food processing and value addition, previously besides sharing various additional farm responsibilities, He used to prepare processed food products only for domestic consumption. During the lean period, due to lack of farm job opportunities in the district almost every home maker prepare traditional processed products like pickles, jams, purees, sauces, and spice cakes etc for house hold. Mr. Faris inclined towards the vast market potential of value added products has established himself as a successful entrepreneur. His family has 20 kanals of land where they cultivate vegetables like tomatoes, carrots, chillies, garlic, shallots, kale and Knol Khol etc. He participated in the vocational, skill based training programme conducted by

KVK from time to time. During time to time he got apprised with different aspects of scientific processing as well as the marketing of the value added products. For capacity building the plan was designed and conceptualized using participatory approach (intervention of technologies/ techniques in processing through method demonstration, training, exhibitions and exposure visits), skill oriented income generating training course on fruit, vegetables and cereals/ grain processing and value addition was organized and regular guidance and support was provided for technological backstopping for establishing small scale enterprise through technology standardization , awareness, and initiating and nurturing income generation activities. He was also exposed to purchase of raw materials, source of equipments, packing and labeling of products.

Output

He prepared various value added products like vinegar mixed, jam , pickle of local as well as underutilized fruits / vegetables tomato puree, tomato sauce, spice cakes etc. Besides adding value to agricultural produce, The budding entrepreneur was introduced with the concept of door to door selling technique, now he is selling his product under the brand name TOOBA FOODS with an annual income of about 10, 00000 to 15,00000. Now he is having Well Equipped Food Processing unit with following facilities like Canning Machine, Auto clave, Pulper Machine, Crusher, Water Treatment 300lt/hr. Steam Jacket, Kettle, Boiler, Slicer, Pickle Mixer, Spice Grinding Machine.

Outcome:

Motivated by the achievements of this entrepreneur, other farmers of adjoining villages are coming forward for the adoption of these activities, besides running his own enterprise; Mr. Faris also provides employment to other unemployed youth as helpers, service providers and middle man. Received a certificate of Appreciation Letter and a Gold Medal on occasion of Kissan Samaan Diwas by Hon'ble Vice Chancellor SKUAST-K for outstanding performance in the processing and value addition sector on the recommendation of KVK Srinagar and shared her experience with fellow farmers.



Training cum Demonstration on food Processing KVK Team visiting Food Processing Unit



Product ready for marketing**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****Success Story on FLD Paddy (SR-4)****Introduction:****Situation analysis/Problem statement:**

Rice is the main source of basic food in the state of Jammu and Kashmir, especially among Kashmir's. The valley accounts for around two-thirds of the state's entire cropland (J&K). In the Kashmir valley, almost 75% of the state's rice is produced. But the farmers particularly farmers of District Srinagar mostly grows the traditional varieties like China-1039, that is the low yielding variety and gives less returns to the farmers. The farmer namely Faizan Ahmad from Arhabal Shalimar, used to get the net returns of Rs. 58230 from the local variety of paddy (China-1039). But under FLD programme the KVK Srinagar provided the HYV (SR-4) of paddy to the farmers of District Srinagar.

KVK Intervention: After the trainings, demonstrations and awareness regarding Crop Management, Integrated Nutrient Management., Integrated Pest Management, Integrated Disease Management and Weed Management for high yielding variety of Paddy (SR-4) provided by KVK Srinagar the farmer cultivates the Shalimar Rice-4 on an area of about 0.5 ha and get higher net returns of Rs. 91200 ha⁻¹. This variety was released in 2017. It is high yielding, early maturing, cold tolerant variety, resistant to blast, erect plant type, easy threshability and recommended for cultivation in plains of the valley (upto 1700 m amsl). It matures in 135- 140 days and has a yield Potential of 8.5 – 9.0t/ha.

Output: The farmers of District Srinagar often complained about the low yield of paddy. The farmer from District Srinagar Faizan Ahmad has shown path to others to emulate and get benefitted. Now other farmers of district are too interested to adopt the HYV of Paddy. The farmer got the maximum yield of 80 q/ha, gross returns of Rs 1,31,950 ha⁻¹ with B: C Ratio of 2.24 in demonstrated field as compared to 1.38 In local check.

Outcome: The HYV of paddy (SR-4) can be horizontally exploited in almost every village of district where rice being the main crop. Because of the higher yield and yield attributes of the HYV of paddy (SR-4) released by SKUAST-K, the farmers will be impressed with the variety and will adopt the same variety by replacing their old traditional checks. Moreover, farmers from the adjacent areas of KVK will also cultivate the same variety over a large scale area. As seeing is believing, the adjacent concerned farmers are showing interest in the replaced HYV and thus horizontal expansion of the new variety is under taken in District Srinagar

Impact: The HYV of paddy (SR-4) increased the crop yield and farmers' income. Almost all the farmers who get benefitted under different OFT/FLD programs from the KVK Srinagar cultivates the SR-4 variety after the harvest of rabi crop and got economically benefitted as under.

Gross Cost, Gross Return, Net Return and B: C Ratio of Paddy Variety SR-4

Check Plots				Demonstration Plots			
Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C ratio



- Faizan Ahmad
- S/o Bashir Ahmad
- R/o Arhabal Shalimar
- Contact No.: 954153308



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:

Success Story: Solid Waste Management using Waste Decomposing Bacteria “Shalimar Microbes”.

Situation analysis/Problem statement:

Solid Waste Management is a major challenge in urban areas like Srinagar city. The unwanted practice of dumping of waste in water bodies, agricultural lands, road sides and burning of waste leads to environmental soil water and air pollution. Srinagar city is the first metropolis and fastest growing city of western Himalayas and here the management of Solid waste is a big challenge more than 13,000 metric tons of solid waste is produced in Srinagar every month and become one of the main challenge for successful Implementation of waste segregation into different categories viz composting recycling etc is yet not practiced in Srinagar. The KVK Srinagar have taken an initiative for converting solid waste into compost using waste decomposing bacteria Shalimar microbes.

KVK Intervention:

After the trainings, demonstrations and awareness regarding waste decomposing bacteria (Shalimar Microbes). OFT was conducted on Soil waste management using waste decomposing bacteria at multi locations of District Srinagar. Hence it was found that compost formation by using this technology was beneficial for converting waste into wealth which not only increases the farm productivity but also improves the soil Health. By following this technology, farmers need not to depend on costly fertilizer and manure.

Out Put

Composting process is a time consuming process, but due to this technological advancement the composting process could be shortened. The compost prepared by using Shalimar microbe’s speeds up the composting process and results in a superior quality and uniform compost in an efficient way. The compost prepared by this method was black brown and black in color, it was crumbly in nature with an earthy order. The pH was slightly acidic to neutral ranging from 6.5 to 7.5. The compost was neither completely dry nor it was lumpy. The carbon: Nitrogen was between 15 to 20. The Nitrogen, Phosphorus and Potassium content was found to be more than one percent each. The nitrogen was found to be more than one percent each. The nitrogen was found in the form of nitrates for proper utilization by plants.

Outcome:

As seeing is believing the adjacent concerned farmers of district Srinagar are showing keen interest and are very much satisfied with this technology of converting waste into wealth and are approaching KVK Srinagar for technical guidance. Thus horizontal expansion of this technology is under taken in district Srinagar



On Farm Trail conducted on soil waste management at different location of district Srinagar.

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: Nil

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

Dal weed Composting: The Management of weeds inside the Dal lake Srinagar most recognizable land mark, tops the priority list in saving the fragile eco-system of the water body. The LAWDA undertake the DAL dweeding and dump the same on the Dal banks. This has been a persistent cause of nuisance to inhabitants of the vicinity. They have approached us for management of the same.

A survey was conducted in the adjoining areas of the Dal Lake. It was found that the annually more than 100000 cubic meters of weeds are removed from the lake incurring lacs of rupees.

Technology was available with the host institute and same was demonstrated to the local farmers through 10 training programmes and demonstrations on small scale. Technology was demonstrated to farmers of the said area to convert this weed into compost by using microbial solution. Consortium of locally isolated micro-organism known as Shalimar microbes, which not only converts the weeds into useful manure but is also effective to remove bad smell from weed piles. Consortium also reduces the time for decomposition and conversion of material into compost. The end product (Dal Weed) is very rich in some macro and micro organism. The conversion of these weeds into compost on large scale and its subsequent utilization in fields could boost the concept the organic farming in the district. The manure generated in the Dalweed fetch upto Rs. 20/kg.

Outcome: The technology adopted was found successful not only in removing the nuisance but also provide organic Farming concept in the District Srinagar. Seeing the results of these demo plots, the local adopted the technology and the results are encouraging and more and more farmers around the vicinity of Dal are following the technology.



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): Nil

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

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

9. E. Field activities

- i. Number of villages adopted: 04
- ii. No. of farm families selected: 52
- iii. No. of survey/PRA conducted: 03

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

- 1. Status of establishment of Lab : Non Functional
- 2. Year of establishment : 2005
- 3. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Kjel Plus Automatic Digestion	01	50,720.00
2	All Glass Distillation System	01	5,800.00
3	Batolini Gas Heater	02	7,800.00
4	Oven (Hot Air)	01	19,800.00
5	Grinder (Stain Less Steel)	01	12,390.00
6	Soil auger	02	1400.00
7	Flame photometer	01	34,725.00
8	Specto-photometer	01	41,500.00
9	Chemical Balance (Sensitive)	01	97,000.00
10	Conductivity Bridge	01	5500.00
11	Gas burner	02	15,00.00
12	Digital P.H meter	01	10,430.00
13	HCL computer & Accessories	01	75,000.00
14	Refrigerator	01	10,650.00
15	Refrigerator Haier	01	9,200.00
16	Hot plates	04	10,440.00
17	Shaker	01	13,680.00
18	Kjelda Distillation & digestion combined unit	01	12,510.00
19	Genset	01	43,028.00
20	Conductivity meter	01	5500.00
21	Physical balance	01	8,700.00
22	Glass ware & plastic ware.	-	1,30,644.00
23	Chemical ware	-	83,390.00
24	Furniture	-	75,000.00
25	Printer	01	7,500.00
26	Pastel & motor	02	1500.00
27	Heating mental	02	1530.00
28	Test sieves	02	1650.00
29	Thermometer	03	590.00
30	Plant Grinder	01	6700.00
31	Soil Moisture Meter	02	1300.00
Total		40	685593.00

3. **Details of samples analyzed / Soil Health Cards issued during 2023:** Nil (Lab.)

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

4. Status of mini soil testing labs/kit : 02
 5. Year of procurement of lab/kit : 2017 (May)
 6. No. of mini labs with the KVK : 02
 7. Type of mini labs (Name of lab/Kit) : Mid Parikshak Soil Testing Lab

8. **Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2021**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	60	60	15	Samples were analyzed free of cost on world soil health day
Water Samples	0	0	0	
Soil Health Cards Issued	60	60	15	

10. IMPACT**10.1 Impact of KVK activities (Not to be restricted for reporting period).**

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Grafting/Budding Techniques	125	26	Rs.500/day	Rs.750/day
Vermi-composting	75	15	Rs. 200/quintal	Rs. 900/quintal
Utilization of Kitchen Waste as Organic Manure	63	11	-	Rs. 5/kg
Value addition of Fruits	128	08	-	Rs. 7500/month
Knitting	35	13	-	Rs. 3600/month
Training and Pruning	165	30	Rs.500/day	Rs. 850/day
Cutting & Stitching	25	15	-	Rs. 600/suit
Preservation of Fruits and Vegetables	75	12	-	Rs.6200/month
Broiler Farm Worker	55	13	Rs.500/day	Rs.650/day
Mushroom Grower	26	08	-	Rs.250/day
Scientific Beekeeping	95	35	-	Rs.350/day

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)

A survey was conducted by the experts of the Kendra on the popularization and adaptation of University Spray Schedule for the control of insects/pests and diseases. It was observed that people are not following spray schedules properly which results in deterioration of quality and quantity of the produce and ultimately monetary loss to orchardists. Keeping all these facts in view, FLDs were conducted by the Kendra on application of spray schedule and the farmers practice as check at village Taibel and

Dardkhover of District Srinagar. All the recommendations of spray schedule were properly followed under demonstrations. After collecting the results, it was observed that the quality and quantity was improved as compared to the check plots. Seeing the results of demonstration plots, the orchardists of the area were satisfied with the performance of demo plots particularly the quality (Size, Color) and increase in quantity forced them to follow the recommendations of spray schedule and farmers of these villages and adjoint areas now following not only the spray schedule but also other recommendations given time to time.

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

KVK conducted a survey to analyze the impact of activities carried out during the reporting time in the six villages of the district where most of the activities were conducted. During the survey the opinioners of the key informants like village heads (Namberdars), Sarpanches, Panches, Chowkidars, Farm Leaders, concerned farmers and knowledgeable persons of the villages were contacted. The impact analysis revealed that the KVK activities pertaining to popularization of SKUAST-K location specific Paddy varieties like SR-2, SR-4 and Jehlum had an appreciable impact. SR-2 thrives well under water logged conditions and the average increase yield between local and said varieties was recorded more than 30%. Similarly Maize varieties shared an increase of 35% in yield as compared to local varieties. Fodder and Pulse varieties also shared tremendous potential so far yield and other characters are concerned. Different demonstration conducted on cultivation of exotic vegetables has shown fair results as farmers have started shifting of cultivation of exotic vegetables which fetches good price as compared to other vegetables. Impact of disease diagnostic visits was appreciated by providing timely intervention to the problems of the farmers. The impact of vocational training has also been analyzed which is good particularly in allied agriculture enterprises like mushroom cultivation, vermi-composting, dairy and poultry.

11.0 LINKAGES

11.1 Functional linkage with different organizations

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

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

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
STRY	w.e.f 10-15th January 2023	MANAGE Hyderabad	42000
STRY	w.e.f 23rd to 30th of January 2023	MANAGE Hyderabad	42000
STRY	w.e.f 30-12-2022 to 06-01-2023	MANAGE Hyderabad	42000
STRY	w.e.f. 26-31, December 2023	MANAGE Hyderabad	42000

11.3 Details of linkage with ATMA:

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

S. No.	Programme	Nature of linkage	Remarks

Coordination activities between KVK and ATMA during 2023: Nil

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

11.3 Give details of programmes implemented under National Horticultural Mission:

S. No.	Programme	Nature of linkage	Constraints if any
01	Accreditation of fruit nursery	Technical Officer	Nil

11.5 Nature of linkage with National Fisheries Development Board: Nil

S. No.	Programme	Nature of linkage	Remarks

11.6. Details of linkage with RKVY: Nil

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

12. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

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

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 (Field Pea)	October	May	0.0125 ha	HFP-715	Seed	25 kg	852	2750	-
Pigeon pea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables (Garlic)	October	June	0.05 ha	Local	Seed	75 kg	1025	2250	-

Others (specify)

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

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
01	Ducks	Local	Meat	20 No.	8000	10000	-
02	Fish	Grass & Common Carp	Meat	80 kg	9500	16000	-
03	Poultry	Vanraja	Meat	125 kg	19500	31250	-

12.5 Utilization of hostel facilities: Nil

Accommodation available (No. of beds) =

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)

12.6. Database management

S. No	Database target	Database created by the KVK
01	Data base of farmers	5173 farmers

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting Demonstration Unit: Nil

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

Demonstrations conducted using Rainwater Harvesting Demonstration Unit: Nil

Date	Title of the Demonstration	Client	No. of Demos.	No. of Participants including SC/ST	No. of SC/ST Participants

	(PF/RV/EF)	Male	Female	Total	Male	Female	Total
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Seed produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	Quantity of seed produced (q)

Plant materials produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	Number of plant materials produced

Other activities organized using Rainwater Harvesting Demonstration Unit: Nil

Activity	No. of visitors
Visit of farmers	
Visit of officials	

13. FINANCIAL PERFORMANCE

13.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving	J&K Bank	H.S.H.S Srinagar	SB-19776
Current	J&K Bank	H.S.H.S Srinagar	CD-1765

13.2 Utilization of KVK funds during the year 2022-2023(in Lacs)

S. No.	Particulars	Sanctioned (Lacs)	Released (Lacs)	Expenditure(Rs.)
A. Recurring Contingencies				
1	Pay & Allowances	198.00	198.00	198.00
2	Traveling allowances	1.5	1.5	1.5
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	20.0	20.0	20.0
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
K	IFS			
L	TIU (Publicity)			

TOTAL (A)		219.50	219.50	219.50
B. Non-Recurring Contingencies				
1	Works	0.00	0.00	0.00
2	Equipments including SWTL & Furniture	0.00	0.00	0.00
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4	Library (Purchase of assets like books & journals)	0.00	0.00	0.00
5	Capital	0.00	0.00	0.00
TOTAL (B)		0.00	0.00	0.00
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		219.50	219.50	219.50

13.3 Status of revolving fund (in Rs.) for the last six 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 2018 to March 2019	307134.30	412777.00	645700.00	74211.30
April 2019 to March 2020	74211.30	412763.00	343510.00	143464.30
April 2020 to March 2021	143464.30	144582.00	71157.00	216869.30
April 2021 to March 2022	216869.30	338830.00	192900.00	362799.30
April 2022 to March 2023	362799.30	292207.00	54445.00	600561.30
April 2023 to March 2024	600561.30	198491.00	30000.00	769052.30

14. Details of HRD activities attended by KVK staff during 2023: Nil

<i>Name of the staff</i>	<i>Designation</i>	<i>Title of the training programme</i>	<i>Institute where attended</i>	<i>Date</i>