PROFORMA FOR ANNUAL PROGRESS REPORT APRIL 2022 - MARCH 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	Office	FAX	
(Near Railway Station Peerbagh Srinagar)	9419079152	-	kvksrinagar@hotmail.com

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

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

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

Name	Telephone / Contact		
Dr. Sajad Mohiuddin Mir	Residence	Mobile	Email
	Iqbal Abad Bemina Srinagar	7006202687	sajad_05@rediffmail.com

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

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

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)

1.6. Total land with KVK (water logged/Marshy): 19.35 ha

Cultivable Land (Filled with fertile soil) : 0.4 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	0.1
5.	Others (Water logged/Marshy)	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. Livestock 1	ICAR	-	-	-	-	160	Completed
	2. Livestock 2	ICAR	-	-	-	-	100	Completed
	3 Duckery /fisheries	ICAR	-	-	-	-	1500	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	53548	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
Printer	31-03-2003	15200.00	Working
Officers Table	07-07-2003	9419.00	Working
Photo Copier	17-03-2004	64083.00	Working
Altimeter	24-03-2004	6744.00	Working
Wipro Computer	26-03-2004	43659.00	Repairable
Digital Camcorder	27-03-2004	45000.00	Repairable
Printer	March-2005	7800.00	Working
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	Working
Sofa Set	March-2005	15288.00	Working
Physical Balance	March-2005	8700.00	Working
Conductivity Bridge	March-2005	5500.00	Working
U.P.S 1KVA	March-2005	8200.00	Working
Typewriter	March-2005	10000.00	Repairable
Thresher	March-2005	68000.00	Working
Fax Machine	Oct- 2005	14062.00	Repairable
Microscope	Nov- 2005	26200.00	Repairable
Diesel Engine with Accessories	March-2006	326000.00	Working
HCL Computer with UPS	May-2007	40992.00	Working
Digital Camera	February-2007	17190.00	Working
Printer	May-2007	2950.00	Working
Water Motor	February-2009	3100.00	Working
PA wireless Amplifier and Microphone	March-2009	8,790.00	Working
Transformer (10KV)	March-2009	11,250.00	Working
LCD (Benq) Model 624 Lumen 3000x	March -2010	82125.00	Working
Manual Screen 84”x4.3	March -2010	7763.00	Working
Lasser Printer Samsung ML -1640	March -2010	5694.00	Working
UPS (Luminous Line)	March -2010	5684.00	Working
Revolving Chair GB 411(Usha) 6 No.s	March -2010	27600.00	Working
Usha Sewing Machine (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.) M: 1000W	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 **2022**

Sl. No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken
1)	**26.04.2022**	**List attached**	-	Hon'ble Chairman directed that KVK in collaboration with line departments and SKUAST-K should jointly work out the possibilities of modern technologies to be adopted to increase the returns as compared to existing technology. He also desired that before starting any activity, targets should be fixed and accordingly necessary interventions should be taken.	For enhancing productivity/production and returns from farming, KVK demonstrated modern technologies/ interventions through FLDs, OFTs, method/result demonstrations and awareness programmes.
2)				Hon'ble Chairman directed to start the Whatsapp group of farmers for providing information of agri activities and incorporate the contact numbers of soil testing laboratory owners in the group.	To further extension activities, use of ICT and social media plate forms has been promoted among farming community. Messages/ advisories are send to farmers through Whatsapp group (300 farmers), Kisan Sarathi (5000 farmers), KVK Website, Facebook, Apple doc. To reach out to the farmers of far off areas print and electronic media are used to disseminate information
3)				Hon'ble Chairman directed to prepare month/season-wise booklets regarding kitchen gardening practices and also desired that vegetable seedlings should be made available for them at KVK Campus.	Seedlings of both Kharif and Rabi crops are provided to farmers and those with a kitchen garden as well. In the year 2022-23 around 25000 vegetable 3200 annual flower seedlings were provided to the farmers. Booklet on kitchen gardening has been prepared and shall be made available to the farmers after releasing it on SAC to be held in 2023
4)				Hon'ble Chairman directed to follow monitorable indicators such as how many people have started their kitchen gardening and floriculture activities after consultations with KVK Scientists.	After consultations with KVK scientists, more than 95 people have started kitchen gardening of vegetables along with flowers and fruits.
5)				Hon'ble Chairman emphasized on empowerment in Shari-i- Khas areas through value addition of fruits and vegetables and other related activities.	Two training programmes regarding value addition of fruits and vegetables have been conducted in Zainakadal and Nowhatta areas of Sheri Khas.
6)				Hon'ble Chairman directed to prepare a detailed report on land holding size of different people according following four groups so that a comprehensive plan is formulated for different agri activities. (i) People having 5-10 Marla's of land (ii) People having 1-2 kanals of land (iii) People having 2-5 kanals of land (iv) People having more than 5 kanals of land	As per the survey conducted it has been observed that people living in civil line areas and Sheri Khas have kitchen garden over an area of 1-5 Marla's. In the rural areas of the district Srinagar maximum farmers have a land holding ranging from 10 Marla's to 5 Kanals, where as few farmers in each village have a land holding size of above 5 Kanals. People with 1-5 marlas of land were advised to opt for kitchen gardening, kitchen waste composting, mushroom farming, apiculture and backyard poultry faming. Those with land up to 5 kanals mostly growing rice and oil seed/ fodder were provided high yielding varieties like SR-4, SS-2, and SFO-2. Besides this, farmers having more than 5 kanals of land and facing water shortage are advised to go for HDP crops with micro-irrigation system
7)				Worthy Director Extension emphasized on formation of Farmer Produce Organization (FPO).	One FPO Srinagar Sheep Producer Company has been registered by this KVK under company act. The registration of Two more FPOs is under process.
8)				Worthy Director Extension directed that focus of the activities of the KVK should be to address various challenges faced by the city people particularly in segregation of kitchen waste for composting to promote organic input production.	KVK demonstrated homestead innovative technology for kitchen waste decomposition using smart kitchen dustbins and disseminated awareness regarding the segregation of different waste materials for effective composting of biodegradable wastes for promotion of organic farming and scientific disposal of non-biodegradable wastes. Vermi-culture and vermin-bags were also provided

9)				Worthy Director Extension directed to prepare a hydroponics model at KVK Campus for demonstration purposes.	A hydroponic model having three shelves and 154 holes fabricated by CoAE&T SKUAST-K, with vegetable crop is on display at Kendra campus
10)				Worthy Director Extension stressed for popularization of backyard poultry by providing quality birds and demonstration on balanced feeding in winter	Backyard poultry is being popularized through FLDs and this year KVK laid 25 number FLDs wherein (250) birds have been distributed among farmers. For balanced feeding during winters KVK organized training programmes on 03 training programmes on ration balancing in collaboration with Department of Animal Husbandry and Sheep.
11)				Chief Horticulture Officer Srinagar desired that KVK should conduct the capacity building training programme on canopy management of fruit trees.	07 days Canopy Management programme has been conducted in collaboration with Division of Fruit Sciences, SKUAST-Kashmir in which 30 trainees participated.
12)				Chief Agriculture Officer Srinagar suggest that KVK should involve officers of the line departments while laying out FLD's and OFT's	All FLDs, OFTs and awareness programmes are conducted in collaboration with the officers of the concerned line departments.

List of participants who attended 18thSAC Meeting of KVK Srinagar held on 26-04-2022

S. No	Name of the participants	Designation
1.	Prof. Nazir Ahmad Ganie	Hon'ble Vice Chancellor, SKUAST-Kashmir
2.	Dr. Rekhi Singh	Sr. Scientist & Head
3.	Line Department	Representatives from Agriculture/Horticulture/Animal Husbandry/ Sheep Husbandry/ Floriculture and Social Welfare Department/Lead Bank/NGO
4.	Dr. Waseem Raja	Assistant Professor CITH
5.	Dr. Uzma Bashir	SMS Soil Science
6.	Dr. Ajaz Ahmad Ganie	SMS Animal Science
7.	Dr. Nasreen Jahan	SMS Home Science
8.	Dr. Raiz Ahmad Lone	SMS Floriculture
9.	Dr. Rayees Ahmad Wani	SMS Fruit Science
10.	Mr. Mohd Ashraf Mir	Programme Assistant
11.	Mr. Jalal u din Peer	Programme Assistant (Farm Manager)
12.	Mr. Yasir Arfat Bhat	Programme Assistant (Computer)
13.	Ms. Masarat Jahan	Accountant
14.	Mr. Javid Ahmad Chopan	Cook
15.	Mr. Ali Mohd Bhat	Gardner
16.	Mr. Khurshid Ahmad	Progressive Farmer
17.	Mr. Mohammad Sultan Bhat	Progressive Farmer
18.	Mr. Hilal Ahmad Mir	Driver
19.		
20.		

2. DETAILS OF DISTRICT (2022-23)

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 1979 sq.kms and is the smallest district of the state. District Srinagar falls under temperate zone as per the agro-climatic conditions. The precipitation is mainly in the form of snow in winter and rains/ hail in summer. Temperature varies from 5 ^{0}C in winter to max of 34^{0}C in summers and the average rainfall of the district is 585mm. Plain area constitute maximum of the total geographical area of the District. Rice and Maize are main crops of the district besides area under horticulture crops namely Apple, Pear, Cherry and Peach involve the major portion of total cultivated land. Among agronomic crops Maize is mostly grown as rain fed crop in Karewas.

2.3 Soil type/s

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

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

S. No	Crop	Area (ha)	Production (MT)
1.	Fresh Fruit:-Apple, pear, cherry, plum, apricot, strawberry	2613	23327
2.	Dry Fruit: - Walnut, almond	477	3091
3.	Rice,	3400	0.587

4.	Maize	450	0.059
5.	Floricultural crops	46.04	
6.	Oilseed	434	0.588
7.	Fodders	284	1.776
8.	Vegetable	2500	65169

2.5. Weather data (April 2022 to March 2023)

Month	Rainfall(mm)	Temperature ºC		Relative Humidity (%)
		Maximum.	Minimum	
April 2022	35.4	22.57	6.22	70.33
May 2022	64.6	24.30	11.59	75.26
June 2022	114.6	26. 33	12. 67	67.81
July 2022	172.8	27. 13	17. 71	73.17
Aug.2022	60.7	26. 68	15.74	71.25
Sept.2022	19.0	27.6	11.15	85.21
Oct.2022	42.0	20.48	4.23	85.6
Nov.2022	96.6	12.7	1.43	85.18
Dec.2022	8.0	9.35	-3.74	82.9
Jan. 2023	122.4	6.1	-2.47	93.28
Feb.2023	192.8	12.86	0. 33	92.44
March 2023	26.9	17.46	3.65	61.77

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

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

2.7 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Srinagar	Srinagar (Zone Qamarwari)	Lawaypora, Mirgund, Zainkot, Dandergah, Noorbagh, Palpora, Kreshbal, Soura, Batmalo, Gangbug,Bemina, Barzulla, Solina Haiderpora, Rawalpora, Baghimehtab, Rangreth, Gogo Check	Paddy, oilseed, Vegetables, fodder cultivation, High density apple plantation, Dairy, backyard poultry, Sericulture	Paddy Blast, Water logging Non avaibility 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. Disease management in livestock Benefits of feeding balanced ration to animals Dairy management, value addition of milk Management of Backyard poultry Cultivation of high value vegetables under protected conditions. Organic farming.
2.	Srinagar	Srinagar (Zone Brain)	Khonmoh A & B, Zevan, Miskeenbagh, Nayedyar, Abnivpora, Brain, Nishat, Gupkar Khanyar, Zakura, Gulab Bagh, Buchpora, Ahmad Nagar, Mallbagh, Saderbal, Lalbazar, Nigeen East, Nigeen West, Dargah	Apple, Pear, cherry, plum, Paddy Maize. Vegetables, walnut, Almond, Saffron, Fisheries, Nadru, Craft, Pomegranate, Quince, Fisheries, Mushroom, Sheep, Medicinal plants, Nadru, Poultry, Saffron	Collar rot, root rot, Papery bark, Blast brown spot, Non avaibility 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 Commercial sheep farming, Management of foot rot in sheep. Awareness on managing healthy flock by adopting proper vaccination and deworming schedule. 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	Apiculture, floriculture, Medicinal plants, Maize and paddy cultivation, fodder cultivation, pulses Strawberry, Apple and cherry cultivation, fisheries , Sericulture	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. Promotion trout fish farming 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	➢ Introduction and popularizing of HYVs and INM
Temperate Fruit Crops Apple Strawberry	➢ Pollination improvement and scientific Training and pruning in Apple. ➢ High density apple plantation. ➢ Crop Diversification with emphasis on crops like strawberry. ➢ IDM, INM and promotion of use of organics, micro nutrients, and on-farm nutrient cycling
Vegetables Vegetables Lettuce, Broccoli Vegetables and Fruit crops	➢ Development of Peri-urban agriculture ➢ Off-season vegetable cultivation and cultivation under protected conditions. ➢ Exotic vegetable cultivation. ➢ Nutrition Kitchen gardening.
Poultry and Dairy	➢ Promotion and Scientific management of dairy sheep and poultry farming. Value addition of milk and other livestock products. Environmentally friendly disposal methods of animal waste. Promotion of backyard poultry ➢ Vocational training.
Home Science Capacity Building Capacity Building Home Science	➢ Child and women care and awareness on balanced nutrition in backward areas of the district. ➢ Capacity building of rural women and Fisherwomen. ➢ Self help group formation of skilled women. ➢ Vocational training.
Capacity Building	➢ Emphasis on Agro-based Income generating activities for mitigation of rural unemployment.
Soil and Water Conservation Soil and Water Conservation	➢ Awareness on Natural Resource conservation, environmental protection and efficient resource management. ➢ Special emphasis on Dal and Anchar Lakes and Hill areas.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2022-23

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
-	09	-	30	-	38.35 ha	-	305

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

FLD (Oilseeds)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
10 (Mustard-Rabi 2021-22)	10 ha	25	25

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

FLD (Pulses)			
Number of FLDs		**Number of Farmers**	
Targets	**Achievement**	**Targets**	**Achievement**
12 (Rajmash-Kharief-2022)	12 ha	40	40
13.2 (Field Pea-Rabi 2022-23)	13.2 ha	33	33

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	-	65	-	1649	-	276	-	7465
Rural youth	-	28	-	564				
Extn. Functionaries	-	16	-	494				

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: 1150 Capsicum: 2385 Cucumber: 75 Bottle gourd: 205 Brinjal: 1520 Knoll Khol: 3550 Onion Seedlings: 1560 Chilli: 2550 Cauliflower: 320 Cabbage: 215 Seed (kg) Field Pea: 25 Garlic: 05		**Plant Saplings (No.)**	Apple : 155 Cherry: 60 Apricot Seedlings: 40 Apricot: 55 Plum: 80 Grapes: 80 Pansy Hybrid: 45 Seedling Annual: 250 Shrubs: 50 Marigold, Zinnia, Aster, Celosia: 415
(Others)	Poultry Ducks	466 No. 20 No.		
	Vermicompost	50 qtls.		

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

3. B. Abstract of interventions undertaken:

S. No	*Thrust area*	*Crop/ Enterprise*	*Identified Problem*	*Interventions*										
				Title of OFT if any	*Title of FLD if any*	*Number of Training (farmers)*	*Number of Training (Youths)*	*Number of Training (extension personnel)*	*Extension activities (No.)*	*Supply of seeds (Qtl.)*	*Supply of planting materials (No.)*	*Supply of livestock (No.)*	*Supply of bio products*	
													No.	*Kg*

3.1 Achievements on technologies assessed and refined

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management						**01**				**01**
Integrated Crop Management					**01**	**01**				**02**
Integrated Nutrient Management					**02**					**02**
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition					**01**					**01**
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology						**01**				**02**
Small Scale income generating enterprises							**01**			**01**
TOTAL					**03**	**04**	**01**			**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:

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Fisheries**	**TOTAL**
Evaluation of Breeds								
Nutrition Management								
Disease of Management	**01**							**01**
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	**01**							**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	Kale	Role of Nano Urea in reducing the Application of Conventional Urea in Kale	01	02	0.075
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management	Cherry	Foliar Application of Calcium for Improving Quality and Storability of Cherry	01	01	0.05
	Pot/House Plants	Winter Management of Pot/House Plants under Low Tunnel Polyhouse	01	01	0.075
Integrated Disease Management					
Small Scale Income Generation Enterprises	Shrink Wrapping	Scientific Packaging of Bell Paper for enhancement of Shelf Life	01	01	0.00
Weed Management	Apple	Weed Management in High Density Orchard System in Apple	01	03	0.075
Resource Conservation Technology	Strawberry	Comparative Analysis of Organic Over Conventional Method on Growth Yeild and Quality of Strawberry	02	02	0.05
	Pea	Impact of Bio-fertilizers on Growth & Yield of Garden Pea	04	04	0.075
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition	Bottle guard	Effect of Pretreatment on Drying on Bottle guard	01	01	0.075
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total		**08**	**12**	**15**	**0.475 ha**

3.2.2. Technologies Refined under various Crops: Nil

Thematic areas	*Crop*	*Name of the technology assessed*	*No. of trials*	*Number of farmers*	*Area in ha (Per trail covering all the Technological Options)*
Integrated Nutrient Management					
Varietal Evaluation					

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

3.2.3. Technologies assessed under Livestock and other enterprises:

Thematic areas	*Name of the livestock enterprise*	*Name of the technology assessed*	*No. of trials*	*No. of farmers*
Evaluation of breeds				
Nutrition management	Cattle	Urea Molasses Mineral Block.	02	02
Disease management	Cattle	Impact of Post Milking Teat Disinfection on Prevention of Mastitis	02	02
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
		Total	**04**	**04**

3.2.4. Technologies Refined under Livestock and other enterprises: Nil

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

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

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

A. <u>Technology Assessment</u>

OFT-1

1	Title	Weed Management in High Density Orchard System in Apple
2	Problem Diagnose/defined	Loss of nutrients, rodent attack, lack of sanitation
3	Details of technologies selected for assessment/refinement	Application of pre and post-harvest herbicides
4	Source of technology	SKUAST-K
5	Production system thematic area	Orchard management
6	Thematic area	Crop production
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Needs repeated trials
9	Constraints identified and feedback for research	Adoptability
10	Process of farmer's participation and their reaction	Satisfactory

Results of On Farm Trial-1

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of Assessment	Data on the Parameter	Results of assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Apple	Irrigated	Nutrient loss	Weed Management in high density orchard system in Apple	02	Application of pre and post-harvest herbicides	Fruit yield Fruit quality	1.Weed control efficiency 2.Soil characteristics of Apple orchard 3.Leaf nutrient status 4.Fruit yield characteristics 5. Fruit quality characteristics	See table	Satisfactory

Location of OFT	Particulars	Content
Harwan	Soil pH	6.53
	Available Nitrogen (Kg/ha)	287.94 Kg/ha
	Available phosphorus (Kg/ha)	20.66 Kg/ha
	Available Potassium (Kg/ha)	208.80 Kg/ha
Chatterhama	Soil pH	6.48
	Available Nitrogen (Kg/ha)	263.96 Kg/ha
	Available phosphorus (Kg/ha)	19.87 Kg/ha
	Available Potassium (Kg/ha)	198.14 Kg/ha

Weed Control Efficiency (%) under high density orchard system

Treatment	Days after treatment	Harwan	Chatterhama
T1	30	94.98	91.98
	60	91.16	88.06
	90	69.15	65.87
	120	71.78	62.76
T2	30	100	100
	60	86.54	86.50
	90	100	100
	120	95.12	94.89

Yield Characteristics (3333 tree/ha at spacing of 1m x 3m)

Treatment	Particulars	Harwan	Chatterhama
T1	Initial fruit set (%)	88.43	84.23
	Final fruit set (%)	75.14	77.22
	Fruit Yield per tree (Kg tree^{-1})	8.15	6.96
	Fruit Yield per ha (Tonnes ha^{-1})	27.16	23.19
	Yield efficiency (Kg cm^{-2})	0.89	0.76
T2	Initial fruit set (%)	90.70	89.97
	Final fruit set (%)	87.80	86.93
	Fruit Yield per tree (Kg tree^{-1})	9.24	8.67
	Fruit Yield per ha (Tonnes ha^{-1})	30.79	28.89
	Yield efficiency (Kg cm^{-2})	1.00	0.92

Leaf nutrient status from the midpoint of current season's terminal growth during Mid-July

Treatment	Particulars	Harwan	Chatterhama
T1	Nitrogen (%)	1.98	1.91
	Phosphorus (%)	0.21	0.19
	Potassium(%)	1.61	1.59
T2	Nitrogen (%)	2.29	2.15
	Phosphorus (%)	0.28	0.22
	Potassium (%)	1.71	1.67

Fruit Physical characteristics

Treatment	Particulars	Harwan	Chatterhama
T1	Fruit weight (g)	181.88	176.05
	Fruit length (mm)	65.37	63.30
	Fruit Diameter (mm)	80.70	78.26
	Fruit Volume (cm^{-3})	145.87	141.47

	Specific gravity (Kg cm^{-2})	1.24	1.23
	Fruit Firmness	7.15	7.14
T2	Fruit weight (g)	204.99	201.64
	Fruit length (mm)	68.27	65.98
	Fruit Diameter (mm)	86.44	84.89
	Fruit Volume (cm^{-3})	168.55	167.65
	Specific gravity (g/cm^3)	1.21	1.20
	Fruit Firmness (Kg cm^{-2})	7.18	7.16

Fruit Colour (L*a b)

Treatment	Particulars	Harwan	Chatterhama
T1	L	35.12	35.08
	a	33.24	32.13
	b	20.72	19.98
T2	L	34.56	33.34
	a	33.76	32.74
	b	16.04	15.53

L denotes the degree of darkness (0-50) and degree of lightness (50-100)
Positive value of "a" denote redness and negative values denote greenness
Positive value of "b" denote yellowness and negative values denote blueness

Fruit Chemical characteristics

Treatment	Particulars	Harwan	Chatterhama
T1	Total Soluble Solids (^0B)	12.56	12.09
	Total sugars (%)	9.59	9.45
	Titrable acidity (%)	0.50	0.51
	TSS/acid Ratio	25.12	23.70
T2	Total Soluble Solids (^0B)	12.98	12.86
	Total sugars (%)	9.59	9.65
	Titrable acidity (%)	0.43	0.43
	TSS/acid Ratio	30.18	29.90

Effect of Weed Management practices on Soil Characteristics of apple

Treatment	Particulars	Harwan	Chatterhama
T1	pH	6.50	6.47
	Nitrogen (Kg/ha)	290.98	286.92
	Phosphorus (Kg/ha)	19.87	18.19
	Potassium (Kg/ha)	209.65	200.15
T2	pH	6.57	6.51
	Nitrogen (Kg/ha)	318.16	292.65
	Phosphorus (Kg/ha)	21.89	20.68
	Potassium (Kg/ha)	276.33	210.85

OFT-2

1	Title	Foliar Application of Calcium for Improving Quality and Storability of Cherry
2	Problem Diagnose/defined	Poor fruit quality
3	Details of technologies selected for assessment/refinement	Nutrient spray at specific stages
4	Source of technology	SKUAST-K
5	Production system thematic area	Quality improvement
6	Thematic area	Crop improvement
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Needs repeated trials
9	Constraints identified and feedback for research	Adoptability
10	Process of farmer's participation and their reaction	Satisfactory

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 assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Cherry	Irrigated/Rainfed	Low fruit quality	Foliar application of calcium for improving quality and storability of Cherry	03	Foliar spray of nutrients at specific stages	Fruit yield Fruit quality	1. Fruit set (%) 2.Fruit yield (kg/tree) 3. Fruit yield characteristics 4. Fruit quality characteristics	See table	Satisfactory

Table-2 Effect of nutrient application on Fruit set, fruit yield, annual shoot growth, Leaf area and leaf calcium

Treatment	Particulars	Faqirgujri	Darbagh	Theed
T1	**Fruit set (%)**	18.02	18.68	19.12
	Fruit Yield per tree (Kg tree^{-1})	7.98	8.86	8.32
	Annual Shoot Growth (cm)	17.84	18.96	18.03
	Leaf area(cm^2)	65.84	67.48	66.93
	Leaf calcium (%)	2.03	2.18	2.09
T2	**Fruit set (%)**	21.01	23.92	22.05
	Fruit Yield per tree (Kg tree^{-1})	9.03	11.03	10.26
	Annual Shoot Growth (cm)	19.03	21.23	19.94
	Leaf area(cm^2)	67.47	74.15	71.20
	Leaf calcium (%)	2.48	2.86	2.76

OFT-3

1	Title	**Impact of Post Milking Teat Disinfection on Prevention of Mastitis**
	Problem Diagnose/defined	Sub clinical Mastitis
3	Details of technologies selected for assessment/refinement	Post milking teat disinfection with Povidone Iodine based germicidal dip (P. Iodine; glycerin 4:1)
4	Source of technology	SKUAST-K
5	Production system thematic area	Animal Production
6	Thematic area	Dairy Production
7	Performance of the Technology with performance indicators	On going
8	Final recommendation for micro level situation	On going
9	Constraints identified and feedback for research	-
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 assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Animal Science	Sub Clinical/clinical Mastitis	Assessing the impact of post milking teat disinfection on the prevention of Mastitis	Impact of Post Milking Teat Disinfection on Prevention of Mastitis	03	Impact of teat disinfection on Mastitis	CMT Score, under health, Milk yield and milk PH	-	Awaited	Satisfactory

Table-3

Treatments		Results
T1	No Teat disinfection	Awaited
T2	Post milking teat disinfection with Povidone iodine based germicidal dip (P. Iodine; Glycerine 4:1)	Awaited

OFT-4

1	Title	**Impact of Bio-fertilizers on Growth & Yield of Garden Pea**
2	Problem Diagnose/defined	Deleterious effects of chemical fertilizers on human health and environment.
3	Details of technologies selected for assessment/refinement	Rhizobium + Phosphorus and Potassium
4	Source of technology	Solubilising micro-organisms
5	Production system thematic area	Crop Production
6	Thematic area	Organic Farming
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Needs repeated trials
9	Constraints identified and feedback for research	Adoptability
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 assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Garden Pea	Irrigated	Deleterious effects of chemical fertilizers	Impact of Bio-fertilizers on Growth & Yield of Garden Pea	02	Seed & Soil treatment with Rhizobium+Phosphorus & Potassium Solubilising bacteria	Growth & Yield	-	See Table	Satisfactory

Table-4: Growth and Yield Parameters

Treatments	Plant Height (cm)	No. of Primary branches	Pod Length (cm)	No. of Pods/ Plant	Pod Yield/Plant (g)	Seed Yield/Plant (g)	Seed Yield/ha
T1: Farmers Practice	101.33	2.33	8.36	46.67	221.67	43.00	46.56
T2: Azotobacter+Rhizobium+Phosphorus And Potassium Solubilizing micro-organisms	106.00	2.67	11.03	50.00	223.33	63.62	50.87

OFT-5

1	Title	**Comparative Analysis of Organic Over Conventional Method on Growth Yield and Quality of Strawberry**
	Problem Diagnose/defined	Low yield /poor quality
3	Details of technologies selected for assessment/refinement	Use of straw mulch and biofertilizer fortified vermicompost
4	Source of technology	SKUAST-K
5	Production system thematic area	Crop Production
6	Thematic area	Organic Farming
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Needs repeated trials
9	Constraints identified and feedback for research	Adoptability
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 assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Strawberry	Irrigated	Low yield & poor quality	Comparative Analysis of Organic Over Conventional Method on Growth Yield and Quality of Strawberry	02	1) Use of Strawberry mulch 2)Application of biofortified vermicompost	Growth & Yield	-	See Table	Satisfactory

Table-5

Treatments	Plant Height (cm)	Plant Spread (cm)	No. of leaves/plant	Leaf Area (cm)	No. of runners/plant	No. of flowers/plant	No. of berries/plant	Fruit lengh (cm)	Fruit diameter (cm)	Fruit Weight (g)	Yeild (q/ha)
T1: Farmers Practice	18.33	19.16	32.29	22.80	3.96	18.19	15.54	2.55	2.33	9.69	218.39
T2: Straw Mulch+Biofertilizers+Fortified Vermicompost	20.13	24.33	37.72	27.60	4.77	24.12	22.09	2.62	2.65	11.72	237.81

OFT-6

1	Title	Role of Nano Urea in reducing the Application of Conventional Urea in Kale
	Problem Diagnose/defined	Excessive use of fertilizer
3	Details of technologies selected for assessment/refinement	Application of Nano Urea as a top dressing
4	Source of technology	SKUAST-K
5	Production system thematic area	Crop Production
6	Thematic area	Organic Farming
7	Performance of the Technology with performance indicators	Satisfactory
8	Final recommendation for micro level situation	Needs repeated trials
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
Kale	Irrigated		Role of Nano Urea in reducing the Application of Conventional Urea in Kale	02	Application of Nano Urea as a top dressing	Growth & Yield	-	See Table	Satisfactory

Table-6

Treatments	Plant Height (cm)	Plant Spread (cm)	No. of leaves/plant	Weight of whole plant (gm)	Leaf yeild (q/ha)
T1: Farmers Practice	45.09	52.57	13.93	335.54	557.12
T2: Application of Nano Urea as a Top dressing	51.11	60.37	15.80	371.58	598.15

OFT-7

1	Title	Scientific Packaging of Bell Paper for enhancement of Shelf Life.
	Problem Diagnose/defined	Poor Shelf Life of Bell Paper.
3	Details of technologies selected for assessment/refinement	Shrink Wrap Packaging
4	Source of technology	SKUAST-K
5	Production system thematic area	-
6	Thematic area	Packaging
7	Performance of the Technology with performance indicators	Satisfactory.
8	Final recommendation for micro level situation	Shrink wrap packaging enhanced the shelf life of bell paper by 8 days at ambient temperature& 11 days at refrigerated conditions.
9	Constraints identified and feedback for research	The results showed enhance in shelf life of bell paper.
10	Process of farmer's participation and their reaction	Satisfactory.

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
Vegetables	No Packaging Intervention	Poor shelf life of bell paper	Scientific Packaging of Bell Paper for enhancement of Shelf Life.	02	SKUAST-K	Shelf Life	Increase in shelf life of bell paper	Table below	Satisfactory

Table-7

Product	Shelf Life (Days)			
Capsicum (Bell Paper)	Ambient Condition		Refrigerated Condition	
	Shrink Wrapped	Unwrapped	Shrink Wrapped	Unwrapped
	12	04	19	08

OFT-8

1	Title	Effect of Pretreatment on Drying of Bottle Guard
	Problem Diagnose/defined	Blackening of bottle guard during drying
3	Details of technologies selected for assessment/refinement	T1: Farmers Practice T2: Dipping in KMS Solution (0.02% KMS)
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 situation	No blackening of bottle guard was observed after dipping in 0.02% KMS
9	Constraints identified and feedback for research	The results of the pretreatment showed no blacking of bottle guard.
10	Process of farmer's participation and their reaction	Satisfactory.

Results of On Farm Trial-8

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of Assessment	Data on the Parameter	Results of assess ment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Vegetables	Drying without pretreatment leads to blackening	Blackening of bottle guard during drying	Effect of Pretreatment on Drying of Bottle Guard	01	SKUAST-K	1) Blackening 2) Rehydration Ratio	1) No Blackening 2) Good Rehydration Ratio	Table below	Satisfactory

Table-8

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

OFT-9: Winter Management of Pot/House Plants under Low Tunnel Polyhouse

(On going)

PART 4 - FRONTLINE DEMONSTRATIONS

4. A. Summary of FLDs implemented during 2021-22 (Rabi + Kharief)

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration				Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	OBC	Others	Total	
	Oilseeds	**Rabi**	**2021-22**	**Brown Sarson**	**SS-2**	-	**Varietal Adoptability**	**SKUAST-K IDM,INM & Plant Geometry**	**-**	**10.0**	**-**	**-**	**25**	**25**	
	Pulses	**Kharief**	**2022**	**Field Pea**	**Shalimar Pea-1**	-	**Varietal Adoptability**	**SKUAST-K IDM,INM & Plant Geometry**	**-**	**13.2**	**-**	**-**	**33**	**33**	
		Kharief	**2022**	**Rajmash**	**Shalimar Rajmash-1**	-	**Varietal Adoptability**	**SKUAST-K IDM,INM & Plant Geometry**	**-**	**11.7**	**-**	**-**	**40**	**40**	
	Cereals	**Kharief**	**2022**	**Paddy**	**SR-4**	-	**Varietal Adoptability**	**SKUAST-K IDM,INM & Plant Geometry**	**-**	**10.0**	**-**	**-**	**20**	**20**	
	Millets														
	Vegetables														
	Flowers														
	Fruit														
	Spices and condiments														
	Commercial														
	Medicinal and aromatic														
	Fodder	**Rabi**	**2021-22**	**Oats**	**SFO-3**	**-**	**Varietal**	**SKUAST-K**	**-**	**5.8**	**26**	-	**60**	**86**	

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*	
							Adoptability	**IDM,INM & Plant Geometry**							
	Dairy														
	Poultry	**Kharief**	**2022**	**Poultry Birds**	**Vanraja American white Pekin**	**-**	**Demonstration/ Sale**	**-**	**-**	**10 birds/ head**	**-**	**-**	**54**	**54**	**-**
	Piggery														
	Sheep and goat														
	Button mushroom														
	Vermicompost														
	IFS														
	Apiculture														
	Implements														
	Others (specify)														

4. A. 1. Soil fertility status of FLDs plots during 2021-22

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Status of soil (Kg/Acre)*			*Previous crop grown*
									N	*P*	*K*	
	Oilseeds	**Irrigated**	**Rabi.2021-22**	**Brown Sarson**	**SS-2**	**-**	**Varietal Adoptability**	**INM and IDM**	**150**	**11.0**	**150**	**Paddy**
	Pulses	**Irrigated**	**Kharief 2022**	**Field Pea**	**Shalimar Pea-1**	**-**	**Varietal Adoptability**	**INM and Line Sowing**	**156**	**12.2**	**162**	**Vegetables**
		Rainfed	**Kharief 2022**	**Rajmash**	**Shalimar Rajmash-1**	**-**		**INM and Line Sowing**	**157**	**12.0**	**163**	**Vegetables**
	Cereals	**Irrigated**	**Kharief 2022**	**Paddy**	**SR-2, SR-4**	**-**	**Varietal Adoptability**	**INM and Line Sowing**	**158**	**12.1**	**164**	**Mustard**
	Millets											
	Vegetables											
	Flowers											
	Fruit											
	Spices and condiments											
	Commercial											
	Medicinal and aromatic											
	Fodder	**Rainfed**	**Rabi 2021-22**	**Oats**	**SFO-3**	**-**	**Varietal Adoptability**	**INM and IDM**	**149**	**11.2**	**155**	**Vegetables**
	Plantation											
	Dairy											

Sl. No.	*Category*	*Farming Situation*	*Season and Year*	*Crop*	*Variety/ breed*	*Hybrid*	*Thematic area*	*Technology Demonstrated*	*Status of soil (Kg/Acre)*			*Previous crop grown*
									N	*P*	*K*	
	Poultry	**Kharief**	**Kharief 2022**	**Poultry Birds**	**Vanraja American white Pekin**	-	**Varietal Adoptability**	**Demonstration of feeding schedule , vaccination and management**	-	-	-	-
	Piggery											
	Sheep and goat											
	Button mushroom											
	Vermicompost											
	IFS											
	Apiculture											
	Implements											
	Others (specify)											

B. Results of Frontline Demonstrations

4. B.1. Crops

Crop	*Name of the technology demo nstrated*	*Variety*	*Hybrid*	*Farming situation*	*No. of Demo.*	*Area (ha)*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration (Rs./ha)*				**Economics of check (Rs./ha)*			
							Demo			*Check*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
							H	L	A										
Oilseeds (Brown Sarson)	INM & IDM	SS-2	-	Irrigated	25	10	18.5	12.2	15.9	10.8	47.00	63140	126280	63140	2.0	41500	64800	23300	1.56
Pulses (Moong)	INM & IDM	Shalimar Pea-1	-	Rainfed	33	13.2	160	145	152	96.5	58.00	95000	304000	209000	01:03.2	95000	193000	98000	01:02.0
	INM & IDM	Shalimar Rajmash-1	-	Rainfed	40	11.7	14.5	9.5	11.1	8.5	31.00	55000	177600	122600	2.29	45000	127500	82500	1.83
Cereals (Paddy)	IDM and INM and Line Sowing	SR-4	-	Irrigated	20	10.0	80	65	73.30	55.0	24.95	92500	176000	83500	1.9:1.0	85000	121000	36000	1.4:1
Maize																			
Millets																			
Vegetables																			
Flowers																			
Fruit																			
Spices and condiments																			
Commercial																			
Medicinal and aromatic																			
Fodder	**INM & IDM**	**SFO-3**	-	**Rainfed**	86	5.8	20.5	13.5	17.2	10.8	38.37	60500	116500	56000	01:01.9	56000	83000	27000	01:01.5

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

** BCR= GROSS RETURN/GROSS COST; H – Highest Yield, L – Lowest Yield A – Average Yield

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

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

4. B.2. Livestock and related enterprises: Nil

Type of livestock	*Name of the technology demonstrated*	*Breed*	*No. of Demo*	*No. of Units*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration Rs./unit)*				**Economics of check (Rs./unit)*			
					Demo			*Check if any*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Dairy																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

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

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

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

5. B.3. Fisheries: Nil

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

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

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

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

4. B.4. Other enterprises: Nil

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

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

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	***Demo***	***Local***
Blast Tolerance (%) Maturity days	Disease incidence: 0 %	Disease incidence: 30%

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

S.No.	***Activity***	***No. of activities organized***	***Number of participants***	***Remarks***
1	Field days	04	215	Field days were organized on scientific cultivation of Paddy and Brown Sarson
2	Farmers Training	06	175	Trainings were conducted on different managemental practices of particular crops
3	Media coverage	04	0	Management of different practices including IDM, INM etc.
4	Training for extension functionaries	03	100	-
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	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	01	32	13	45	09	06	15	41	22	63
Water management	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
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	02	13	28	41	04	0	04	17	28	45

Others	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	01	17	05	22	0	0	0	17	05	22
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	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	01	12	10	22	0	0	0	12	10	22
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance Use of fertilizer	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
IV Livestock										

Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	02	59	11	70	06	04	10	65	15	80
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	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	01	0	15	15	0	0	0	0	15	15
Value addition	02	05	25	30	0	0	0	05	25	30
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	01	03	10	13	0	0	0	03	10	13
Women and child care	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0

and value addition										
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
TOTAL	**11**	**141**	**117**	**258**	**19**	**10**	**29**	**160**	**130**	**290**

(B) RURAL YOUTH										
Mushroom Production	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	01	10	05	15	0	0	0	10	05	15
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	01	0	25	25	0	0	0	0	25	25
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	01	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	05	10	77	87	0	0	0	10	77	87
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	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	03	0	50	50	0	0	0	0	50	50
Tailoring and Stitching	01	0	15	15	0	0	0	0	15	15
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Others	01	08	24	32	0	0	0	08	24	32
TOTAL	**13**	**43**	**206**	**249**	**0**	**0**	**0**	**43**	**206**	**249**

(C) Extension Personnel										
Productivity enhancement in field crops	01	10	15	25	0	0	0	10	15	25
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	01	15	12	27	0	0	0	15	12	27
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
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0

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	01	12	04	16	0	0	0	12	04	16
TOTAL	**03**	**37**	**31**	**68**	**0**	**0**	**0**	**37**	**31**	**68**

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	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	01	25	07	32	05	03	08	30	10	40
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0
Seed production	02	32	20	52	11	7	18	43	27	70
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	01	27	10	37	03	02	05	30	12	42
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	02	19	29	48	06	04	10	25	33	58
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0
b) Fruits										
Training and Pruning	03	62	11	73	09	05	14	71	16	87
Layout and Management of Orchards	01	09	18	27	0	0	0	09	18	27
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
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	01	10	15	25	0	0	0	10	15	15
Others	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
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	02	33	10	43	0	0	0	33	10	43
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	04	62	39	101	0	0	0	62	39	101
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	01	12	15	27	0	0	0	12	15	27

Nutrient Use Efficiency	01	03	17	20	0	0	0	03	17	20
Balance use of fertilizer	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	01	05	10	15	0	0	0	05	10	15
IV Livestock Production and Management										
Dairy Management	02	26	26	52	15	18	33	41	44	85
Poultry Management	0	0	0	0	0	0	0	0	0	0
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	03	15	37	52	0	0	0	15	37	52
Disease Management	07	70	65	135	14	04	18	84	69	153
Feed management	03	29	22	51	12	18	30	41	40	81
Production of quality animal products	01	04	02	06	15	03	18	19	05	24
Others	0	0	0	0	0	0	0	0	0	0
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	01	12	05	17	0	0	0	12	05	17
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	01	28	03	31	06	02	08	34	05	39
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	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0
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	02	25	31	56	0	0	0	25	31	56
Integrated Disease Management	05	40	44	84	24	14	38	64	58	122
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	02	38	07	45	0	0	0	38	07	45
Vermi-compost production	01	20	05	25	0	0	0	20	05	25
Organic manures production	04	35	40	75	0	0	0	35	40	75
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax	0	0	0	0	0	0	0	0	0	0

sheets										
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	02	30	06	36	04	0	04	34	06	40
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
TOTAL	**54**	**671**	**494**	**1165**	**124**	**80**	**204**	**795**	**574**	**1359**

(B) RURAL YOUTH										
Mushroom Production	01	28	0	28	0	0	0	28	0	28
Bee-keeping	01	19	07	26	05	04	09	24	11	35
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed 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
	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	01	18	05	23	05	04	09	23	09	32
Vermi-culture	01	0	27	27	0	02	02	0	29	29
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	01	12	13	25	01	03	04	13	16	29
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	01	05	10	15	0	0	0	05	10	15
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0

Value addition	05	28	48	76	0	0	0	28	48	76
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	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	02	10	28	38	0	0	0	10	28	38
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Others	02	30	03	33	0	0	0	30	03	33
TOTAL	**15**	**150**	**141**	**291**	**11**	**13**	**24**	**161**	**154**	**315**

(C) Extension Personnel										
Productivity enhancement in field crops	01	23	16	39	0	0	0	23	16	39
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
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
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	01	54	22	76	25	10	35	79	32	111
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
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	02	35	15	50	0	0	0	35	15	50

animals										
Livestock feed and fodder production	01	12	10	22	0	0	0	12	10	22
Household food security	01	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	0	0	0	0	0	0	0	0	0	0
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	06	118	61	179	0	0	0	118	61	179
TOTAL	**12**	**257**	**134**	**391**	**25**	**10**	**35**	**282**	**144**	**426**

B) 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	01	25	07	32	05	03	08	30	10	40
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	01	32	13	45	09	06	15	41	22	63
Water management	0	0	0	0	0	0	0	0	0	0
Seed production	02	32	20	52	11	7	18	43	27	70
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	01	27	10	37	03	02	05	30	12	42
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	02	19	29	48	06	04	10	25	33	58
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0
b) Fruits										
Training and Pruning	03	62	11	73	09	05	14	71	16	87
Layout and	01	09	18	27	0	0	0	09	18	27

Management of Orchards										
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
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	03	23	43	66	04	0	04	27	43	60
Others	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	01	17	05	22	0	0	0	17	05	22
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	02	33	10	43	0	0	0	33	10	43
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0

Integrated Nutrient Management	05	74	49	123	0	0	0	74	49	123
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	01	12	15	27	0	0	0	12	15	27
Nutrient Use Efficiency	01	03	17	20	0	0	0	03	17	20
Balance use of fertilizer	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	01	05	10	15	0	0	0	05	10	15
IV Livestock Production and Management										
Dairy Management	02	26	26	52	15	18	33	41	44	85
Poultry Management	02	59	11	70	06	04	10	65	15	80
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	03	15	37	52	0	0	0	15	37	52
Disease Management	07	70	65	135	14	04	18	84	69	153
Feed management	03	29	22	51	12	18	30	41	40	81
Production of quality animal products	01	04	02	06	15	03	18	19	05	24
Others	0	0	0	0	0	0	0	0	0	0
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	01	12	05	17	0	0	0	12	05	17
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	01	0	15	15	0	0	0	0	15	15
Value addition	03	33	28	61	06	02	08	39	30	69
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	01	03	10	13	0	0	0	03	10	13
Women and child care	0	0	0	0	0	0	0	0	0	0
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	02	25	31	56	0	0	0	25	31	56
Integrated Disease Management	05	40	44	84	24	14	38	64	58	122
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	02	38	07	45	0	0	0	38	07	45

Vermi-compost production	01	20	05	25	0	0	0	20	05	25
Organic manures production	04	35	40	75	0	0	0	35	40	75
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	02	30	06	36	04	0	04	34	06	40
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
TOTAL	**65**	**812**	**611**	**1423**	**143**	**90**	**233**	**955**	**704**	**1649**

(B) RURAL YOUTH										
Mushroom Production	01	28	0	28	0	0	0	28	0	28
Bee-keeping	01	19	07	26	05	04	09	24	11	35
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	01	10	05	15	0	0	0	10	05	15
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Planting material production	01	18	05	23	05	04	09	23	09	32
Vermi-culture	02	0	52	52	0	02	02	0	54	54
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	01	12	13	25	01	03	04	13	16	29
	01	15	10	25	0	0	0	15	10	25
Repair and	0	0	0	0	0	0	0	0	0	0

maintenance of farm machinery and implements										
Nursery Management of Horticulture crops	01	05	10	15	0	0	0	05	10	15
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Value addition	10	38	125	163	0	0	0	38	125	163
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	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	05	10	78	88	0	0	0	10	78	88
Tailoring and Stitching	01	0	15	15	0	0	0	0	15	15
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Others	03	38	27	65	0	0	0	38	27	65
TOTAL	**28**	**193**	**347**	**540**	**11**	**13**	**24**	**204**	**360**	**564**

(C) Extension Personnel										
Productivity enhancement in field crops	02	33	31	64	0	0	0	33	31	64
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	01	15	12	27	0	0	0	15	12	27
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
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	01	54	22	76	25	10	35	79	32	111
Information networking among farmers	0	0	0	0	0	0	0	0	0	0

Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
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	02	35	15	50	0	0	0	35	15	50
Livestock feed and fodder production	01	12	10	22	0	0	0	12	10	22
Household food security	01	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	0	0	0	0	0	0	0	0	0	0
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	08	130	65	195	0	0	0	130	65	195
TOTAL	**16**	**294**	**165**	**459**	**25**	**10**	**35**	**319**	**175**	**494**

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

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants (Other)			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
13-04-2022	Progressive Farmer	Cultivation of Gerbera	Floriculture	Production & Management Technology	01	On Campus	17	05	22	0	0	0	17	05	22
15-04-2022	Progressive Farmer	Awareness Programme regarding Reduction in Quantum of Pesticides through use of Foggers	Plant Protection	Integrated Pest Management	01	**Off Campus**	12	21	33	0	0	0	12	21	33
05-04-2022	Progressive Farmer	Latest Knowledge on High Density Orchards of Apple	Fruit Science	Production & Management Technology	01	**Off Campus**	10	15	25	0	0	0	10	15	15
18-04-2022	Progressive Farmer	Importance of Drip Irrigation in High Density Orchards	Fruit Science	Micro Irrigation System	01	**Off Campus**	09	18	27	0	0	0	09	18	27
05-05-2022	Progressive Farmer	Awareness Programme on Management of Cherry Cracking	Plant Protection	Integrated Disease Management	01	**Off Campus**	0	0	0	13	05	18	13	05	18
23-05-2022	Progressive Farmer	General Awareness Programme on Government Schemes	Others	Others	01	**Off Campus**	09	06	15	0	0	0	09	06	15
31-05-2022	Progressive Farmer	Importance of Leaf Analysis Technique for Collection of Leaf Samples	Soil Science	Integrated Nutrient Management	01	**Off Campus**	25	17	42	0	0	0	25	17	42
25-05-2022	Progressive Farmer	Vermicomposting & Organic Farming in Vegetables	Soil Science	Vermicompost Production	05	**Off Campus**	20	05	25	0	0	0	20	05	25
02-06-2022	Progressive Farmer	Educating Farmers about Vaccination and Deworming Schedule	Plant Protection	Disease Management	01	**Off Campus**	09	08	17	03	02	05	12	10	22
03-06-2022	Progressive Farmer	Manuring and Fertilizer Management of Field Crops	Soil Science	Integrated Nutrient Management	01	**Off Campus**	10	05	15	0	0	0	10	05	15

08-06-2022	Progressive Farmer	Farm Waste Management	Soil Science	Organic Manure Production	01	**Off Campus**	03	10	13	0	0	0	03	10	13
09-06-2022	Progressive Farmer	Scientific Raising of Healthy Calves to Productive Animals	Animal Science	Diary Management	01	**Off Campus**	13	05	18	06	04	10	19	09	28
14-06-2022	Progressive Farmer	Diagnosis of Nutrient Deficiencies in Fruit Crops especially Apple/Cherry and their Remedies	Fruit Science	Nutrient Use Efficiency	01	**Off Campus**	03	17	20	0	0	0	03	17	20
14-06-2022	Progressive Farmer	Importance of Bio-fertilizers in Maintaining Soil Health	Soil Science	Bio-fertilizer Production	01	**Off Campus**	15	05	20	0	0	0	15	05	20
16-06-2022	Progressive Farmer	Demonstration on Fortification of Poor Quality Feed Resources	Animal Science	Production of Livestock Feed & Fodder	01	**Off Campus**	07	14	21	12	18	30	19	32	51
22-06-2022	Progressive Farmer	Soil Quality Enhancement of Intensively Cultivated Maize Fields	Soil Science	Integrated Nutrient Management	01	**Off Campus**	07	12	19	0	0	0	07	12	19
27-06-2022	Progressive Farmer	Importance of FYM, Green Manures, Enriched Compost, Vermicompost	Soil Science	Organic Manuring	01	**Off Campus**	02	19	21	0	0	0	02	19	21
28-06-2022	Progressive Farmer	Importance and use of Soil Test based Fertilizer Application to Preserve Fertility	Soil Science	Integrated Nutrient Management	01	On Campus	12	10	22	0	0	0	12	10	22
05-07-2022	Progressive Farmer	Seed Production of Vegetable Crops	Vegetable Science	Seed Production	01	**Off Campus**	15	12	27	06	05	11	21	17	38
05-07-2022	Progressive Farmer	Scientific Management of Backyard Poultry Units	Animal Science	Poultry Management	01	On Campus	41	04	45	03	02	05	44	06	50
15-07-2022	Progressive Farmer	Integrated Pest Management in Apple Crop	Plant Protection	Integrated Pest Management	01	**Off Campus**	13	10	23	0	0	0	13	10	23
15-07-2022	Progressive Farmer	Management of Small Ruminants at Highland Pastures	Animal Science	Diary Management	01	**Off Campus**	13	21	34	09	14	23	22	35	57
15-07-2022	Progressive Farmer	Summer Pruning in Fruit Crops	Fruit Science	Training & Pruning	01	**Off Campus**	30	21	51	06	14	20	36	35	71
15-07-2022	Progressive Farmer	Importance of Leaf Analysis and Techniques for Collection of Leaf Samples	Soil Science	Micro Nutrient Deficiency	01	**Off Campus**	12	15	27	0	0	0	12	15	27

15-07-2022	Progressive Farmer	Diagnosis of Nutrient Deficiencies in Fruit Crops especially Apple and Cherry and their Remedies	Fruit Science	Integrated Nutrient Management	01	**Off Campus**	20	05	25	0	0	0	20	05	25
16-07-2022	Progressive Farmer	Latest Technologies Involved in Poultry Slaughtering and Marketing	Animal Science	Poultry Management	01	On Campus	18	07	25	03	02	05	21	09	30
18-07-2022	Progressive Farmer	Seed Production of Hybrid Crops	Crop Production	Seed Production	01	**Off Campus**	17	08	25	05	02	07	22	10	32
02-08-2022	Progressive Farmer	Awareness Programme on Orchard Sanitation and Insect/Disease Management	Plant Protection	Disease Management	01	**Off Campus**	03	21	24	04	02	06	07	23	30
11-08-2022	Progressive Farmer	Demonstration on Clean & Hygienic Milk Production at Sangri	Animal Science	Production of Quality Animal Products	01	**Off Campus**	04	02	06	15	03	18	19	05	24
11-08-2022.	Progressive Farmer	Awareness Programme on Summer Pruning in Fruit Crops and Insect/ Disease Management	Fruit Science	Training & Pruning	01	**Off Campus**	23	04	27	02	0	02	25	04	29
12-08-2022	Progressive Farmer	Interactive Workshop on OFPO	Formation of FPO	Formation of FPO	01	**Off Campus**	21	0	21	04	0	04	25	0	25
16-08-2022.	Progressive Farmer	Value addition of Dairy & Dairy Products	Home Science	Value Addition	01	**Off Campus**	28	03	31	06	02	08	34	05	39
18-08-2022	Progressive Farmer	Method Demonstration on Handling Preparation and Application of Biofertilizer	Soil Science	Bio-fertilizer	01	**Off Campus**	23	02	25	0	0	0	23	02	25
19-08-2022	Progressive Farmer	Farm Waste Management under Natural Farming	Soil Science	Organic Farming	01	**Off Campus**	20	05	25	0	0	0	20	05	25
23-08-2022	Progressive Farmer	Awareness Programme on Good Agriculture Practices and Environment Conservation	Crop Production	Others	01	**Off Campus**	19	17	36	06	04	10	25	21	46
25-08-2022	Progressive Farmer	Soil Sampling Techniques for Field and Plantation Crops and Importance of Soil Analysis	Soil Science	Soil Fertility & Management	01	**Off Campus**	15	05	20	0	0	0	15	05	20

26-31 August 2022	Progressive Farmer	"Summer Pruning and Management of Physiological Disorders in HD Orchards of Apple for Maximizing Yield and Improving Quality"	Fruit Science	Training & Pruning	07	**Off Campus**	18	05	23	03	02	05	21	07	28
01-09-2022.	Progressive Farmer	Awareness Programme on Summer Pruning, Orchard Sanitation and Insect/Disease Management	Fruit Science	Training & Pruning	01	**Off Campus**	21	02	23	04	03	07	25	05	30
02-09-2022	Progressive Farmer	Awareness Programme on Physiological Disorders of Fruit Crops and their Management	Plant Protection	Integrated Disease Management	01	**Off Campus**	20	07	27	02	02	04	22	09	31
05-09-2022.	Progressive Farmer	Awareness Programme on Lumpy Skin Disease	Animal Science	Disease Management	01	**Off Campus**	17	12	29	14	04	18	31	16	47
17-09-2022.	Progressive Farmer	Adapting Integrated Farming System Models for Maximizing Returns	Crop Production	Integrated Management	01	On Campus	32	13	45	09	06	15	41	22	63
07-10-2022	Progressive Farmer	Awareness Programme on Importance of Oilseeds under CFLDs Mustard	Crop Production	Crop Production	01	**Off Campus**	27	10	37	03	02	05	30	12	42
10-10-2022	Progressive Farmer	Awareness Programme on Physiological Disorders & their Management	Plant Protection	Integrated Disease Management	01	**Off Campus**	08	08	16	02	03	05	10	11	21
28-10-2022	Progressive Farmer	Awareness Programme on Scientific Cultivation of Rabi Pulses	Crop Production	Crop Production	01	**Off Campus**	25	07	32	05	03	08	30	10	40
21-10-2022	Progressive Farmer	Scientific Packaging of Pickle and Calculation of Economics	FST	Value Addition	01	On Campus	05	10	15	0	0	0	05	10	15
07-11-2022	Progressive Farmer	Preparing of Agri-Models	FST	Others	01	On Campus	03	10	13	0	0	0	03	10	13
10-12-2022	Progressive Farmer	Capacity Building Programme on Milk Production for Dairy Women	Animal Science	Others	01	**Off Campus**	0	24	24	0	0	0	0	24	24
28-12-2022	Progressive Farmer	Scientific Methods of Packaging to enhance Shelf Life of Foods	FST	Storage Loss Minimizing Technology	01	On Campus	0	15	15	0	0	0	0	15	15
07-01-2023	Progressive Farmer	Importance of Feeding Balanced Ration to Animals	Animal Science	Feed 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	Organic Farming	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 Fertility & Management	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 Fertility & Management	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	Production of Livestock Feed & Fodder	01	**Off Campus**	15	08	23	0	0	0	15	08	23
16-02-2023	Progressive Farmer	Silage Making & its Importance in Small Ruminant Nutrition	Animal Science	Production of Livestock Feed & Fodder	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	Production of Livestock Feed & Fodder	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	01	**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	FST	Crop Production	01	**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	Propagating Techniques in Fruit Crops	01	On Campus	06	15	21	02	0	02	08	15	23
14-03-2023	Progressive Farmer	Grafting Methods of Pome Trees	Fruit Science	Propagating Techniques in Fruit Crops	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	FST	Design & Dev. of Low Cost Diet	01	**Off Campus**	12	05	17	0	0	0	12	05	17
22-04-2022	Rural Youth	Importance of Balanced Diet	Home Science	Design & Dev. of Low Cost Diet	01	On Campus	08	24	32	0	0	0	08	24	32

24-05-2022	Rural Youth	Preparation of Knol Khol Pickle	Home Science	Value Addition	01	On Campus	0	15	15	0	0	0	0	15	15
25-05-2022	Rural Youth	Preparation of Garlic Paste + Garlic Pickle	Home Science	Value Addition	01	On Campus	0	18	18	0	0	0	0	18	18
20-06-2022	Rural Youth	Method Demonstration of On Farm Composting through Improved Techniques like Dal Weed Composting and Vermicomposting	Soil Science	Vermicompost Production	01	On Campus	0	25	25	0	0	0	0	25	25
23-06-2022	Rural Youth	Importance of Pollination in Fruit Crops	Fruit Science	Apiculture	01	**Off Campus**	19	07	26	05	04	09	24	11	35
14-07-2022	Rural Youth	Value addition of Garlic through Pickling & Preparation of Garlic Paste.	FST	Value addition	01	**Off Campus**	06	12	18	0	0	0	06	12	18
15-07-2022	Rural Youth	Propagation of Fruit Crops through Budding technique	Fruit Science	Propagating Techniques in Fruit Crops	01	**Off Campus**	18	05	23	05	04	09	23	09	32
15-07-2022	Rural Youth	Preparation of Plum Jam & Osmo-dehydrated Plum	FST	Value Addition	01	**Off Campus**	08	15	23	0	0	0	08	15	23
29-07-2022	Rural Youth	Preparation of Peach Nectar	FST	Value Addition	01	**Off Campus**	07	13	20	0	0	0	07	13	20
03-08-2022	Rural Youth	Training Programme on "Tomato Processing"	Home Science	Value Addition	01	**Off Campus**	07	08	15	0	0	0	07	08	15
18-08-2022	Rural Youth	Importance of Post Harvest Management of Fruits and Vegetables	FST	Post Harvest Management	01	**Off Campus**	10	14	24	0	0	0	10	14	24
01-09-2022	Rural Youth	Macro and Micronutrient Fertilizers Preparation and their Application for Production of Quality Fruits and Vegetables	Soil Science	Micro Nutrient Deficiency in Crops	01	**Off Campus**	15	0	15	0	0	0	15	0	15
25-10-2022	Rural Youth	Preparation of Knol Khol Pickle	Home Science	Value Addition	01	On Campus	05	10	15	0	0	0	05	10	15
19-12-2022 to 25-12-2022	Rural Youth	Programme on Innovative Methods of Composting for Boosting Employment Generation and Agri-entrepreneurship	Soil Science	Others	07	**Off Campus**	0	27	27	0	02	02	0	29	29

10-12-2022	Rural Youth	Ornamental Nursery Establishment and Management	Fruit Science	Ornamental Nursery Establishment	01	**Off Campus**	05	10	15	0	0	0	05	10	15
10th-17th December 2022	Rural Youth	Processing of Fruits, Vegetables and Nuts	FST	PHT	01	On Campus	0	20	20	0	0	0	0	20	20
14-12-2022	Rural Youth	Preparation of Apple Pickle	Home Science	Value Addition	01	On Campus	0	24	24	0	0	0	0	24	24
10-15th January 2023	Rural Youth	Skill Development Programme on Tree Architecture and Canopy Management in Temperate Fruit Crops	Fruit Science	Propagating Techniques in Fruit Crops	06	**Off Campus**	12	13	25	01	03	04	13	16	29
23rd to 30th of January 2023	Rural Youth	Skill Development Programme on Mushroom Farming as an Agri-Business Startup for Employment Generation	Plant Protection	Crop Production	06	**Off Campus**	28	0	28	0	0	0	28	0	28
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"	FST	Value Addition	08	On Campus	05	10	15	0	0	0	05	10	15
01-01-2023	Rural Youth	30 days Vocational Training Programme on "Crochet Making"	FST	Fashion Designing	30	On Campus	0	15	15	0	0	0	0	15	15
27-02-2023	Rural Youth	Grafting of Fruit Trees	Fruit Science	Propagating Techniques in Fruit Crops	01	On Campus	15	10	25	0	0	0	15	10	25
20-02-2023	Rural Youth	Handling, Preparation & Application of Biofertilizer	Soil Science	Bio-fertilizer Production	01	On Campus	10	05	15	0	0	0	10	05	15
17-02-2023	Rural Youth	Entrepreneurship Opportunities in Floriculture	Floriculture	Entrepreneurship Development	01	**Off Campus**	15	03	18	0	0	0	15	03	18
25-02-2023	Rural Youth	Preparation of Fruit Jelly at Home Scale Level	FST	PHT	01	On Campus	0	15	15	0	0	0	0	15	15
23-02-2023	Rural Youth	Preparation of Lotus Stem Chips	Home Science	PHT	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"	FST	PHT	01	On Campus	0	15	15	0	0	0	0	15	15
27-07-2022	In-Service	Saffron Production Technology	Crop Production	Saffron Production Technology	01	On Campus	10	15	25	0	0	0	10	15	25
28-11-2022	In-Service	"Soil Health Management vis-vis - Soil Health Card Management"	Soil Science	Soil Health Management	01	On Campus	15	12	27	0	0	0	15	12	27
28-11-2022	In-Service	Implementation of FSSAI for Marketing of Products for Extensionary Functionaries	Others	Others	01	On Campus	12	04	16	0	0	0	12	04	16
17-02-2023	In-Service	Promotion of High Density Plantation and Rejuvenation of orchards	Fruit Science	Propagating Techniques in Fruit Crops	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 in Jammu & Kashmir	Animal Science	Poultry Farming	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 Development	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	Mutton Production	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 in District Srinagar	Animal Science	Fish Production	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 held	Animal Science	Fodder Management	01	**Off Campus**	12	10	22	0	0	0	12	10	22
20-02-2023	In-Service	Promotion of Wool/Pelt	Animal Science	Wool Production	01	**Off Campus**	16	04	20	0	0	0	16	04	20
13-03-2023	In-Service	Promotion of Bee Keeping	Plant Protection	Crop Production	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 Production	01	**Off Campus**	23	16	39	0	0	0	23	16	39

24-03-2023	In-Service	Formation of 300 FPOs	Other	Other	01	**Off Campus**	54	22	76	25	10	35	79	32	111
08-03-2023	In-Service	Promotion of Medicinal & Aromatic Plants	Floriculture	Production & Management Technology	01	**Off Campus**	19	16	35	0	0	0	19	16	35
29-03-2023	In-Service	Promotion of Commercial Floriculture	Floriculture	Production & Management Technology	01	**Off Campus**	26	15	41	0	0	0	26	15	41

D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Pome Fruit	10-02-2022	Crop Production	SDP	06	18	10	28	-	01	01	-
Walnut	17-03-2022	Crop Production	SDP	06	17	11	28	-	02	01	-
Soil analysis	09-03-2022	Soil Sampling	SDP	07	15	0	15	-	01	01	
Crop Improvement	14-03-2022	Crop Improvement	SDP	07	18	10	28	-	02	01	-
Crop Management	21-03-2022	Management of Biannual Bearing in Fruit Crops	SDP	07	18	10	28	-	01	01	-
Vermicomposting	19-12-2022	Innovative Methods of Composting	SDP	07	0	29	29	-	02	01	-
Value addition	10-12-2022	Processing of Fruits/Vegetables	SDP	08	0	20	20	-	01	01	-

*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/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
																	J & K Khadi & Village	-
																	IFFCO	-
																	Animal Husbandry Deptt.	-
																	NBB	-

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

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/ RY/EF)	No. of courses	No. of Participants								
								Others			SC/ST			Total		
								M	F	Total	M	F	Total	M	F	Total
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	06	25	13	38	80	32	112	01	01	02	106	46	152
Kisan Mela	05	102	60	162	1125	325	1450	05	05	10	1232	390	1622
Kisan Mela (Virtual)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kisan Ghosthi	04	30	20	50	70	35	105	01	0	01	101	55	156
Exhibition	11	10	13	23	188	131	319	03	03	06	201	147	348

Film Show	09	75	20	95	330	144	474	03	03	06	408	167	575
Method Demonstrations	31	65	20	85	305	205	510	05	05	10	375	230	605
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0	0	0
Workshop	16	89	25	114	295	210	505	03	03	06	387	238	625
Group meetings	0	0	0	0	0	0	0	0	0	0	0	0	0
Lectures delivered as resource persons	79	209	90	299	812	225	1037	18	12	30	1039	327	1366
Newspaper coverage	23	0	0	0	0	0	0	0	0	0	0	0	0
Radio talks	03	0	0	0	0	0	0	0	0	0	0	0	0
TV talks	30	0	0	0	0	0	0	0	0	0	0	0	0
Popular articles	08	0	0	0	0	0	0	0	0	0	0	0	0
Extension Literature	12	135	55	190	411	145	556	48	25	73	594	225	819
Advisory Services	20	125	77	202	320	155	475	23	15	38	468	247	715
Scientific visit to farmers field	122	185	60	245	640	202	842	08	07	15	833	269	1102
Farmers visit to KVK	86	240	55	295	497	305	802	0	0	0	737	360	1097
Diagnostic visits	30	85	75	160	235	202	437	16	12	28	336	289	625
Exposure visits	32	175	50	225	520	250	770	12	10	22	707	310	1017
Ex-trainees Sammelan	01	0	0	0	20	15	35	0	0	0	20	15	35
Soil health Camp	01	0	0	0	20	05	25	03	02	05	23	07	30
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	05	10	08	18	65	28	93	02	02	04	77	38	115
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0	0	0

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	**1000**	**10**	**10**	**04**	**03**	**03**	**03**	**02**	**-**

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
	Gosthies	2	80	
	Lectures organized	4	68	Vegetables, Poultry, Dairy ,Mushroom
	Exhibition	1	58	
	Film show	3	48	
	Fair	0	0	
	Farm Visit	1	35	
	Diagnostic Practicals	0	0	
	Distribution of Literature (No.)	3	62	
	Distribution of Seed (q)	1.5	15	

	Distribution of Planting materials (No.)	150	45	
	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**	**411**	

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					
	Carrot	Paprika	0.05	---------	
	Rajmash	SR-1	0.25		
	Onion	Brown Spanish	0.45		
	Brinjal	Local Long	1.3 kg		
	Tomato	Local	0.20		
	Garlic	Local	0.05		
FLOWER CROPS					
OTHERS (Specify)					-
Poultry	466 No.				
Ducks	05 No.				
Vermicompost	50 kg				

*An example for guidance only

B) **PLANTING MATERIALS**

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Apple		155	-	50
	Cherry		60	-	20
	Apricot		95	-	35
	Plum		80	-	20
	Grapes		80	-	40
SPICES					
VEGETABLES	Capsicum	Shalimar	2385	-	80

	Cauliflower	Snow White	320	-	10
	Cabbage	Golden acre	215	-	08
	Brinjal	Local Long	1520	-	50
	Tomato	Shalimar Hybrid-1	1150	-	45
	Onion Seedlings	-	1560	-	50
	Cucumber	JGL	75	-	25
	Bottle guard	Shalimar Improved	205	-	100
	Knol Khol	Early White Veina	3550	-	120
	Chilli		2550	-	90

FOREST SPECIES					
ORNAMENTAL CROPS	Pansy Hybrid		45	-	10
	Seedling Annual		250	-	50
	Shrubs		50	-	10
	Marigold, Zinnia, Aster, Celosia		415	-	80
PLANTATION CROPS					
Others (specify)					

*An example for guidance only

C) **BIO PRODUCTS: Nil**

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

D) **LIVESTOCK: Nil**

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

*** An example for guidance only**

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

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

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

(B) 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	Efficacy of some horticultural mineral oils (HMO's) against *Quadraspidiotus perniciosus* (Comstock) in Kashmir.	M.A.Mir, R.K. Nehru Shabeena Majid, Jalaluddin	-
	Genetic studies involving metric traits in quality protein Maize (QPM) lines under temperate conditions.	Z.A.Dar A.A.Lone M.A.Mir	-
	Efficacy of some horticultural mineral oils (HMO's) alone and in combination with some ovicidal acaricides against *panonychus ulmi* (Koch) in Kashmir	M.A.Mir, Saima Paul Asima Amin Shabeena Majid	-
	Heterosis for grain yield and its attributes in highland temperate maize germplasm.	Gower Ali, Z.A.Dar, M.A.Mir A.A. Lone.	-
	Influence of mulching material on Albinism disorder in strawberry under cold arid conditions.	Ravees Ahmad Wani J.A. Baba	
	Grafting-take success in walnut under different environmental conditions	Ravees Ahmad Wani J.A. Baba	
Total	**06**		
Technical reports	-	-	-
Technical bulletins	-	-	-

Item	*Title*	*Authors name*	*Number of copies*
Total	-	-	-
Popular articles	-	-	-
Training Manual	-	-	-
Total	-	-	-
Extension literature	-	-	-
Folders /leaflets	Chawal Kay Pakwan	Saima Paul	**100**
	Pradhan Mantri Fasil Bhima Yojana Sarson Ki Kasht	Rekhi Singh, M.A. Mir, Jalaluddin Peer	**100**
	Vegetables-Nutrition and health benefits.	Shabeena Majid Asima Amin and Saima Paul	**100**
	Integrated nutrient management chart for commercially growing important vegetables of Kashmir.	Uzma Bashir, Ishtiyaq Ahad	**50**
	Pickle without oil	Saima Paul, Rekhi Singh Asima Amin, Shabeena Majid	**50**
	Nutricereals & their role on human health	Saima Paul, Aasima Rafiq	**50**
	Nutrigarden-Concept of eating a rainbow	Saima Paul, Aasima Rafiq, Sajad Mohiuddin	**50**
	Preparation of meat pickle	Saima Paul, Aasima Rafiq, Sajad Mohiuddin	**50**
	Kitchen waste composter	Saima Paul, Aasima Rafiq, Sajad Mohiuddin	**50**
TOTAL	**09**	**-**	**600**

(D) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
01	DVD	Vermicomposting making out of kitchen waste	08

(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) SUCCESS STORY OF BILAL AHMAD LONE (A DIARY ENTREPREUR)

Introduction:

Small holder dairy production is increasingly becoming popular in whole of the Kashmir valley. However, feed and fodder shortage in winter is a major constraint to these dairy producers. The same problem was faced by Mr. Bilal Ahmad Lone, a resident of Noorbagh Qamarwari, who was running a dairy farm of 10 cows from last 20 years. He used to get a good profit in summer when there is plenty of green fodder available in his field but in winter he was facing a multitude of issues ranging from malnutrition, deteriorating health condition, reduction in milk production, loss of body weight, disease outbreaks and reproduction disorders. During the harsh winter, the major fodders available are paddy,

wheat or maize straw, together with hay and concentrated feeds. One major and most common problem which every farmer is facing is the shortage of quality fodder in extreme weather conditions of winter. This feed and fodder shortage in winter is a major constraint to every dairy producer in valley. Most of these farmers are having very limited land resources. The production of green fodders throughout the year is also impossible owing to the extreme cold climate. This shortage is the main hindrance in maintaining the health and production of livestock. To supply nutritious fodder in winter he was purchasing silage from outside state at very high rates and was incurring huge losses on feed bills.

KVK Intervention

Green fodder supplement is essential to enhance rumen function for bovine animals. Conservation of excessive green fodder, available during its peak growing season in the form of silage could meet this necessary quality dietary requirement of dairy animals and would lessen the burden on small dairy farmers by avoiding buying of hay, concentrates and straw during harsh winter months. After evaluating the above mentioned problem KVK Srinagar decided to address his issues by taking a multipronged approach. It was started by organizing awareness programmes on silage making in that area. Many demonstrations on preparation of silage were also conducted. The farmer was also provided quality Maize fodder seed (KDFM1) A SKUAST-K Variety which is having a good biomass yield and ideal for silage making) under OFT Programme. He was also given a 7 days Skill Training on Dairy production. He was taken on an exposure visit to Mountain Livestock Research Institute Manasbal, SKUAST-K, Where he practically learnt how to make silage in bulk. An FLD on Urea Molasses Mineral Block (UMMB) was also laid in that area and the concerned farmer was a main beneficiary. He was also advised to prepare the concentrate feed for his livestock at his own farm and was provided formulation for economic ration preparation.

Output

After getting influenced by the scientific methods, trainings, FLD's, OFT's and other demonstrations by KVK in that area, the farmer started to prepare silage of his own and in the first year he made 130 quintals of quality silage, and was totally independent on silage import and was able to save Rs.75000/year on feed bills in the winter. The farmer has now extended his farm from 10 cows to 15 cow unit. After getting the feed formulation he now preparing the concentrate feed himself, and is saving Rs. 54000/ year (Rs. 300/ quintal of feed). The farmer is now producing almost 150 kgs of milk per day and is earning Rs.70000/ month

5. Impact

More dairy farmers from the village and adjacent villages have emulated this technology inspired by the beneficiary. The success has been achieved distinctively over the short period of time in a sustainable manner.

B). Vermicomposting as Enterprise from waste to wealth

Introduction:

Mr. Mushtaq Ahmad Bhat village Danpora Brein Block Nishat District Srinagar who is a farmer by profession and is supporting his wife, 2 children's and his parents. He is having 8 kanals of land and is growing different types of Vegetables, Horticulture and Field crops. He found that agriculture income is not enough to feed his whole family and excess of expenditure gives extra burden to him, but he wanted to do something different. That is when he decided to start his own commercial vermicompost unit and organic bio inputs, because farmers have been repeatedly and unconsciously using the chemical fertilizers and pesticides for agriculture production. Due to this soils as well as environment is becoming harmful that is exerting its detrimental effects on general people. Some being diverted towards organic agriculture which is the solution of present day. The concept of waste to wealth will identify, develop, and deploy technologies to treat waste to generate energy, recycle materials and extract worth.

Intervention:

He was not happy with his traditional agriculture methods and he wanted to become entrepreneur and one day he came in contact with the subject matter specialist of KVK, he was suggested to attend one week skill training programme on vermicomposting at the KVK. Subsequently he participated in one week skill based training programme conducted by the KVK Srinagar. The training was followed by scientist visits for imparting the technical guidance on selection of site, pit construction, vermicompost production, processing and its storage. He was also imparted skill on vermiculture and marketing of vermicompost.

Awareness and training was focused on role of vermicompost in sustaining soil health, environment benefits of vermicompost, low cost and high tech vermicomposting, feasibility of vermicompost for resource poor farmer, site selection criteria , construction of vermicompost pits, bedding management for earthworms, filling of the pits , time of releasing of the earthworms into the pit, aeration cum temperature management , disease cum predator management , sieving , packaging , labeling and making of the vermicompost. He got 3 kg earthworm (red worm) from KVK Srinagar.

Output:

Earlier he started vermicomposting in open ground. The experiment was very successful. Within 3 months he established well developed vermicompost unit of 12”x4”x1”ft with an area of 48 ft2 with 7 beds total area 336ft2. The area was covered with tin roof.

Today he is producing about 180q of vermicompost per year from the said 7 beds. He is selling vermicompost in the local market with the brand name Xylo Gold @ Rs 1000/quintal earning Rs 180,000/year.

Economics of vermicompost production.

Production

Total covered = 336sft
One vermibeds=7

Total vermibed area= 48 sq.ft

Vermicompost production=180q

A) Expenditure
Construction cost (Permanent) = Rs 21,000
Cost of cattle dung= Nil (own animals)
Miscellaneous cost=20,000

B) Income
Selling of 180 q vermicompost @ Rs 1000/q
Selling of vermiculture 15kg worms @1300/kg=19500
Total Income = Rs 199,500
Net Income = Rs199,500 – Rs 20,000 = 179,500

Thus, Mr. Mushtaq Ahmad Bhat is earning Rs 179,500 per year as an additional income from only 336ft2 area. Skill learnt during the training programme helped him utilize the cow dung in more profitable manner. Economic benefits of using the vermicompost and its beneficial effect of soil health and fruit quality. The farmer is highly satisfied with the sustainable from his vermicomposting unit. He is fulfilling the local demand for vermicompost and is playing a leading role in his locality in motivating the other rural youth to start their self employment in commercial vermicompost production technology

Outcome: Taking the lesson from Mr. Mushtaq Ahmad, other farmers of the district are taking interest in vercomposting. Presently various farmers of district Srinagar has established vermicompost units in backyard of their houses and is producing vermicompost successfully. He is playing a leading role in his locality in motivating the other youth to start their self employment in commercial vermicompost production technology.

Impact: Now the Farmer is a well known entrepreneur in Srinagar city for selling a quality vermicompost with the brand name Xylogold. The farmer received the best farmer award from the Hon’ble Vice Chancellor during Kissan Sammelan.

Before Intervention

Training through KVK

After Intervention

Brand: Xylo gold

C) 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.

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

D) 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	Received certificate of Appreciation letter and a gold medal on occasion of Kissan Samaan Diwas by Hon'ble Vice Chancellor SKUAST K

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

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

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-1with 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 benefited 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**
41,550	98,700	57,150	1.38	40750	131950	91200	2.24

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 deweeding 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: 06
ii. No. of farm families selected: 60
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 **:** *Working*
2. Year of establishment : 2005
3. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Kjel Plus Automatic Digestion	01	50,720.00
2	All Glass Distillation System	01	5,800.00
3	Batolini Gas Heater	02	7,800.00
4	Oven (Hot Air)	01	19,800.00
5	Grinder (Stain Less Steel)	01	12,390.00
6	Soil auger	02	1400.00
7	Flame photometer	01	34,725.00
8	Specto-photometer	01	41,500.00
9	Chemical Balance (Sensitive)	01	97,000.00
10	Conductivity Bridge	01	5500.00
11	Gas burner	02	15,00.00
12	Digital P.H meter	01	10,430.00
13	HCL computer & Accessories	01	75,000.00
14	Refrigerator	01	10,650.00
15	Refrigerator Haier	01	9,200.00
16	Hot plates	04	10,440.00
17	Shaker	01	13,680.00
18	Kjelda Distillation & digestion combined unit	01	12,510.00
19	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.(**

3. **Details of samples analyzed / Soil Health Cards issued during 2022-23: 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) : Mrida Parikshak Soil Testing Lab

8. **Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2022-23**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	120	120	30	Samples were analyzed free of cost on world soil health day
Water Samples	0	0	0	
Soil Health Cards Issued	45	45	10	

10. IMPACT

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

Name of specific technology/skill transferred	**No. of participants**	**% of adoption**	**Change in income (Rs.)**	
			Before (Rs./Unit)	**After (Rs./Unit)**
Grafting/Budding Techniques	25	20	-	Rs. 5/graft Rs. 3/bud
Vermi-composting	23	13	Rs. 1200/quintal	Rs. 1500/quintal
Seed Production of Vegetables (G.M. Dari)	25	20	Rs. 20000/Kanal	Rs. 30000/Kanal
Utilization of Kitchen Waste as Organic Manure	20	05	-	Rs. 3/kg
Value addition of Fruits	25	20	-	Rs. 500/trainee/month
Knitting	15	23	-	Rs. 1000/trainee/month
Training and Pruning	165	09	-	Rs. 600/pruner/day
Cutting & Stitching	25	37	-	Rs. 6000/trainee/month
Preservation of Fruits and Vegetables	23	28	-	
Weaving New Technique with Modular Charka	29	32	-	
Broiler Farm Worker	25	20	-	
Mushroom Grower	26	15	-	
Scientific Beekeeping	30	22	-	

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 detoraton of quality and quantity of the produce and ultimately monitory 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.

Method Demonstration on Fungicide Spray

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

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

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

11.3 Details of linkage with ATMA:

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

S. No.	Programme	Nature of linkage	Remarks

Coordination activities between KVK and ATMA during 2022-23: 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				

S. No.	*Programme*	*Particulars*	*No. of programmes attended by KVK staff*	*No. of programmes Organized by KVK*	*Other remarks (if any)*
	Extension Literature				
	Pamphlets				
	Others News coverage				
07	**Other Activities**				

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

S. No.	Programme	Nature of linkage	Constraints if any

11.5 Nature of linkage with National Fisheries Development Board: Nil

S. No.	Programme	Nature of linkage	Remarks

11.6. Details of linkage with RKVY: Nil

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

12. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit (Mention the name of Demo Unit)	Year of 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: Nil

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice									

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

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

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

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

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

12.5 Utilization of hostel facilities: Nil

Accommodation available (No. of beds) =

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

12.6. Database management

S. No	***Database target***	***Database created by the KVK***
01	Data base of farmers	5000 farmers

12.7 Rainwater Harvesting

Training programmes conducted using Rainwater Harvesting Demonstration Unit: Nil

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

Demonstrations conducted using Rainwater Harvesting Demonstration Unit: Nil

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

Seed produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	Quantity of seed produced (q)

Plant materials produced using Rainwater Harvesting Demonstration Unit: Nil

Name of the crop	Number of plant materials produced

Other activities organized using Rainwater Harvesting Demonstration Unit: Nil

Activity	No. of visitors
Visit of farmers	
Visit of officials	

13. FINANCIAL PERFORMANCE

13.1 Details of KVK Bank accounts

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

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

S. No.	Particulars	Sanctioned (Lacs)	Released (Lacs)	Expenditure(Rs.)
A. Recurring Contingencies				
1	**Pay & Allowances**	**218.60**	**218.60**	**218.60**

2	**Traveling allowances**	**1.00**	**1.00**	**1.00**
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**14.00**	**14.00**	**14.00**
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)		**233.60**	**233.60**	**233.60**
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**	**0.20**	**0.20**	**0.20**
TOTAL (B)		**0.20**	**0.20**	
C. REVOLVING FUND		**0.00**	**0.00**	**0.00**
GRAND TOTAL (A+B+C)		**233.80**	**233.80**	**233.80**

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 2017 to March 2018	**596018.40**	**50644.70**	**339528.80**	**307134.30**
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**	**336494.00**	**192900.00**	**360463.30**
April 2022 to March 2023	**362799.00**	**292207.00**	**306000.00**	**349006.00**

14. Details of HRD activities attended by KVK staff during 2022-23: Nil

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

15. Details of Important Programs/Events conducted in KVKs during 2022-2023 (With 4-5 Photographs (JPEG Format).
(Please furnish detailed information for each Program/Event)

Important Events

1. Kendra organized World Wetland Day in collaboration with Pirpanjal Forest Division on 02-02-2022 at KVK Srinagar in which more than 100 Pine & Deedar forest saplings have been planted at KVK Campus.

2. Kendra celebrated National Deworming Day on 10-02-2022 at KVK Campus in which 50 Sheep' were given anthelmentics.

3. Kendra also celebrated World Pulse Day on 10-02-2022 at KVK Campus in which more than 100 farmers participated in this said event

4. Kendra celebrated Kissan Mela with theme Kissan Baghidari-Prathmikta Hamari under Azadi Ka Mahotsav Celebrations at KVK Campus on 26-04-2022 in which more than 300 farmers participated.

5. Kendra conducted 18th SAC Meeting on 26-04-2022 in which Dr. Rekhi Singh, Sr. Scientist & Head presented Annual Progress Report2021- 2022 and Annual Action Plan 2022-2023.

6. Kendra celebrated World Veterinary Day 2022 at KVK Campus on 30th April 2022 in which more than 50 farmers/students participated

7. World Bee Day was organized on 20th of May 2022 at KVK Campus in both off and online mode, more than 60 participants attended the said event. Head KVK, Dr. Sajad Mohiuddin highlighted the role of bee's particularly honey bees in agriculture and allied sectors. He stressed on preservation of pollinators for better income returns.

Hon'ble Lt. Governor, UT Jammu & Kashmir Shri Manoj Sinha inaugurated 10th National Seminar on Agriculture and More: beyond 4.0" at SKUAST-Kashmir, Shalimar.

Inaugural Session of Gareeb Kalyaan Sammelan on 31-05-2022 was conducted at SKICC Srinagar inaugurated by Hon'ble Lt. Governor UT of Jammu and Kashmir.

International Yoga Day was organized on 21st June 2022 at KVK Campus in which more than 50 youth/farmers attended the said event. Experts highlighted the importance of Yoga and its benefits in human life.

Hon'ble L.G of J&K Shri Manoj Sinha Ji interacting with the scientists of the KVK during Stall inspection at SKICC Srinagar.

8. KVK also celebrated ICAR Foundation Day at KVK Campus on 16-07-2022 in which more than 150 farmers including DFI farmers and rural youth participated besides many PRIs were also present at the said event.

9. Celebration of World Zoonoses Day on 6th of July 2022 at KVK campus in which more than 30 farmers partcipated.

10. Special survey of villages Sangri, Khanmoh and adjacent areas of Block Khanmoh on 11th of August 2022. In this regard, a Kissan Ghoshti was held at tribal village Sangri between Scientists of Kendra and village representatives of Sangri village, where overall agriculture scenario of the village was discussed.

11. Celebration of the Independence Week (13th to15th August) and Flag Hoisting ceremony on 76th Independence Day on 15th August 2022 under the Theme:-

“Har Ghar Tiranga”

“Azadi ka Amrit Mahotsav" Kendra organized "Har Ghar Tiranga” campaigns in the KVK vicinity to celebrate Independence Week.

12. Under the National Nutrition Week 12022 Campaign, Kendra organized a day long awareness programme at Govt. Higher Secondary School Gurgari Mohala, Zaina Kadal Srinagar. The Theme of the programme was “Celebrate a World of Flavours” and was attended by large number of students, lecturers and KVK Staff.

14.In continuation to the celebration of series of events under “Azadi Ka Amrit Mahotsav” Krishi Vigyan Kendra Srinagar, SKUAT-Kashmir celebrated National Campaign on “Poshan Abhiyan and Tree Plantation” in collaboration with IFFCO at KVK Campus. The aim of the programme was to highlight the importance of Nutri-garden, balanced diet, Bio fortified varieties of vegetables and cereals and use of Nano urea for healthy lifestyle. The programme was attended by 105 farmers, PIR’s, staff members and university officers.

15. Kendra celebrated PM Kissan Samman Sammelan on 17-10-2022 at KVK Campus in which more than 110 farmers (PRI's, Progressive/Marginal/Small farmers, Women entrepreneurs from different areas of District Srinagar), field functionaries of Department of Agriculture and Scientific/ Supporting staff participated. After culmination of PM's speech, Dr. Sajad Mohiuddin (Sr. Scientist and Head) elaborated to participants about the need to upscale farm production through better and judicious use of inputs, integrated farming system, skill development trainings and adoption of a holistic approach that is sustainable and at the same time eco-friendly as well.

16. Kendra also celebrated a month wise long programme on Swachh Bharat Mission & Amrit (2.0) w.e.f 02-10-2022 at different villages of district Srinagar and KVK Campus.

17. KVK Srinagar organizes a Kissan Mela under the theme "Diversification for Sustainability" at Directorate of Extension, SKUAST-Kashmir, Shalimar, Srinagar on 15th of November 2022. The programme was presided over by Hon'ble Vice Chancellor SKUAST-Kashmir, Prof. Nazir Ahmed Ganai, who consented as chief guest on the occasion and Deputy Commissioner Srinagar Mr. Aijaz Assad (IAS) as the Guest of honor. Worthy Director Extension Prof. Dil Mohammad Makhdoomi, Dr. Seema Jaggi ADG/HRD (ICAR), Chiefs of different line departments viz; Horticulture, Agriculture, Animal Husbandry, Sheep Husbandry and Assistant Director Fisheries were among the dignitaries who also charmed the occasion with their presence.

18. Kendra celebrated Swachhta Pakhwada activities on 16th and 17th of December 2022 in which pledging of oath and display of banners, cleanness drive and Swachhta activities have been carried out at KVK Campus.

19. Kendra Celebrated World Soil Day under Theme "Soil: Where the Food Begins" at Balhama, Khonmoh on 5th of December 2022. The programme was presided over by Dr. Sajad Mohiuddin (Sr. Scientist & Head) and attended by team of scientists from

the Kendra, Mr. Gh. Hussain Rather (DDC Member), Mr. Lateef Ahmed (AEA) and Mrs. Pasandeeda (Panchayat Secretary) along with the participation of more than fifty farmers. Dr. Uzma Bashir (SMS Soil Science) presented the formal welcome address. Dr. Sajad Mohiuddin presented the overview of the programme and underlined the importance of maintaining healthy ecosystems and human well-being and laid stress towards the need of increasing soil awareness, addressing the growing challenges in soil heath management and encouraging societies to improve soil health.

20. Celebration of National Milk day on 28th of December 2022 at KVK Campus.

21. Kendra Celebrated Kisan Diwas on 23-12-2022 at KVK Campus.


NAGAR NEWS KASHMIR 24-12-2022

Celebration of Kisan Diwas at KVK Srinagar

Best way to respect a Farmer is to respect his Produce by not wasting it...

Happy Farmers Day

22. Kendra Celebrated Republic Day at KVK Campus on 26th of January 2023 at 9:30 a.m. Dr. Sajad Mohiuddin Mir, Sr. Scientist and Head of the Kendra unfurled the National Flag followed by singing the National Anthem "Jana Gana Mana" by employees of the Kendra with great pride and patriotism . The programme was attended by all the staff members of the Kendra.

23. As a part of the celebration of year 2023 as the "International Year of Millets" Kendra organized One day training programme on "International Millets Conference" for farmers and farm women on 18th March 2023 at KVK campus. A live programme was telecasted from the link provided by the ICAR and lecture delivered by Hon'ble Prime Minister of India, Shri. Narendra Modi and Minster of Agriculture and Farmers Welfare of India, Shri Narendra Singh Tomar. Dr. Sajad Mohiuddin, Senior Scientist and Head and Dr. Uzma Bashir, SMS (Soil Science) acquainted the participants about agronomy of millets and demonstrated the different varieties of millets. Dr. Aasima Rafiq, SMS (FST) delivered a lecture on "Revival of Millets as a Natural Remedy for Combating Hidden Hunger". She emphasized on use of millets and value added millets products in day-to-day life for healthy life style. Dr. Saima Paul, SMS (Home Science) demonstrated the recipes for preparation of Ragi Sweets.

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