ANNUAL REPORT 2022 -23(Apr-March)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra Pulwama, Malangpora-192308	01933-286952	01933-286952	pcpulwama@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
S. K. University of Agricultural Sciences & Technology of Kashmir Shalimar, Srinagar – 191121	0194-2462159	0194-2462160	vcskuastk@ gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Prof. Javeed Ahmad Mugloo	-	9797771030	pcpulwama@gmail.com

1.4. Year of sanction: 1983

1.5. Staff Position (as on March2023)

S No.	Sanctioned post	Name of the incumbent	Age	Discipline with highest degree obt.	Date of joining	Permanent /Temp.	Contact Details Mo: Email:	Category (SC/ ST/ OBC/ Other)
1	Prof. & Head	Prof. Javeed Ahmad Mugloo	49	Forestry	21-06-2022	Perma-nent	9797771030	General
2	SMS	Dr. Ajaz Ah Ganie	42	Animal science	03-10-22	-do-	7006508546	-do-
3	SMS	Dr. S. Shujat	47	Soil Sc.	06-01-2010	Adhoc	7780923349	-do-
4	SMS	Dr. Towseef Ahmad Wani	36	FST	10-8-2020	Perma-nent	6006221741	-do-
5	SMS	Dr. Shahnawaz A. Dar	42	Ento.	10-8-2020	-do-	9906758967	-do-
6	SMS	Dr. Imtiyaz Ahmad Zargar	48	FST	28-6-2022	-do-	9419060090	-do-
7	SMS	-	-	-	-	-do-	8825015139	
7	Farm Manager	Dr.Gowhar Nabi Parray	44	Forestry	01-09-2009	-do-	9597060052	-do-
8	Programme Assistant	-	-	-	-	-	--	-
9	Computer Programmer	Mrs. Sumera Shafi	42	Computer Science	22-07-2009	-do-	9419068881	-do-
10	Accountant / Superintendent	Mr.Shiraz Ah.Dar	36	MBA	27-06-2022	-do-	706351967	-do-

S No.	Sanctioned post	Name of the incumbent	Age	Discipline	Pay Scale (Present basic Rs.)	Date of joining	Permanent /Temp.	Contact Details	Category (SC/ ST/ OBC/ Other)
10	Stenographer	Vacant	-	-	-	-	-		--
11	Driver	Mr.Shahzad	43	--	RL-3 (23100)	2017	-do-	6005139600	-do-
12	Driver	Mr.Javed Ahmad Khan	37	--	RL-4 (27900)	14.10.13	-do-	7051605161	-do-
13	Supporting staff	Mr.Ab. Rashid Bhat	50	--	RL-4 (36400)	27.09.94	-do-	7006835155	-do-
14	Supporting staff	Mr. Mohmmad Iqbal	50	--	RL-1 (16200)	03.2019	--	9596137098	--

1.6. Total land with KVK (in ha): 10.02 ha

S. No.	Item	Area (ha)
1	Under Buildings	1.6
2.	Field Crops	1.92
3.	Demonstration Units (Hort., Medicinal plants)	1.94
4.	Demonstration Units (Diary, Poultry, Fish Pond, Vermicompost,Duckery unit)	0.50
5.	Nursery Block	0. 50
6.	Barren & waste land	3.56

***Developed land during 2022-23: 1.8ha (Previous years Barren Land :-5-36)**

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		1771	--	--	--	Need repairs
2.	Farmers Hostel	SKUAST-K	--	--	--	--	--	-
3.	Staff Quarters (02)	ICAR		625	--	--	--	Need repairs
4.	Demonstration Units	SKUAST-K						-do-
A	Mushroom	SKUAST-K	--	--	--	--	--	-do-
B	Vermicompost	SKUAST-K	--	--	--	--	--	-do-
C	Fish Pond	SKUAST-K	--	--	--	--	--	-do-
D	Apiculture	SKUAST-K	--	--	--	--	--	-do-
5	Fencing	SKUAST-K						Incomplete
6	Rain Water harvesting system	-	--	--	--	--	--	---
7	Threshing floor	--	--	--	--	--	--	Need repairs
8	Farm godown	--	--	--	--	--	--	-do-
	Fencing	SKUAST-K						Incomplete

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero(Mahindra)	March 2016	8,00000.0	135000	Good condition
Motor cycle	March 2011	48,245.0	35681	Needs Repair

C) Equipments including Tractor & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer	1999	33600.00	Not working
Hp Deskjet	1999	15000.00	Not working
Fax Machine	2003	20342.00	Working
UPS offline	2003	7190.00	Not working
Photocopier	2005	69084.00	Working
UPS 2KVA Online	2005	54173.00	Not Working
Laser Printer	2005	10836.00	-do-
Computer	2006	81276.00	-do-
LCD Projector	2007	99839.00	Working
Server	2008	ICAR	Working
Computers (5 No.)	-do	-do-	Three working
UPS 3KVS online (01)	-do-	-do-	Not working
UPS (650 VA) 05 No.	-do	-do-	Not Working
V-SAT (01 No.)	-do-	-do-	Service taken back
Solar Pump	2019-20	1,50,000	Working
Milking Machine	2020-21	45,000	Working
Canon Multifunction	2020-21	11500	Working
Epson -L5190	2020-21	17900	Working

1.8. A). Details SAC meeting* conducted in the year 2022

S. No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken
1	25th Aug 2022	**Attached as Annexure**			

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Farming system/ enterprise
2	EFS-I Hort – Agri - Dairy
3	EFS-II Agri – Hort – Poultry - dairy
4	EFS-III Agri – Hort – Beekeeping
5	EFS-IV Saffron – Hort - Agri

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

S. No	Agro-climatic Zone	Characteristics
1	Sub humid temperate	Pulwama – vegetables, fruits and cereals Tral – Cereals, Fruits & oilseed Kakpora- Saffron, cereals &vegetables. Pampore – Saffron, Cereals Awantipora-Cereals,oilseed Litter – Cereal,oilseed & fruits
2	High altitude	Rajpora – Fruits, Cereals &Pulses Aripal- Maize, paddy &Pulses

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in (ha)
1	Lower plane soils (karewas)	Silty clay loams	24938
2	Group of Locustine origin	Clay loam	33604
3	High altitude soils	-do-	5030

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

S. No	Crop	Area (ha)	Production (T)	Productivity (T/ha)
1	Paddy	16500	113850	6.9
2	Maize	4200	14700	4.0
3	Oilseeds	17100	17100	1.0
4	Pulses	4315	5178	1.2
5	Vegetables	4985	162012.25	32.5
6.	Fodder	3415	119525	35
8.	Saffron	3200	14.4	0.0045
9	Apple	15810	174468	11.03
10	Almond	3538	6618	1.87
11	Walnut	5517	27862	5.05

2.5 Weather Data:-April 2022 to March 2023

Month	Rainfall (mm)	Temperature ^{0} C (Maximum)	Temperature ^{0} C (Minimum)	Relative Humidity (%)
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	11264	610075 ltrs/day	-
Buffalo	908	-	-
Sheep			
Crossbred	149132	-	-
Indigenous	56248	-	-
Goats	29500	9.56 lac Kg Meat, 4.60 lac Kg wool	
Pigs			
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	-	-	-
Poultry			
Hens	7550000	-	-
Desi		-	-
Improved		-	-
Backyard	2.248 lacs		-
Pvt. (Broiler)	286 lacs.		-
Fish			
Fish Pond (Govt. Sector) Trout		24.34 Q.	-
Carp	Nill	-	-
Fish Pond (Private Sector) Trout		30.15 Q	-
Carp		52.97 Q.	-
Capture fisheries production		3891.7 Q.	-

2.7 Details of Operational area / Villages

Name of the taluk	*Name of the CD Block*	*Name of the village*	*Years of village coverage under operational area of the KVK*	*Major crops and enterpr.ises*	*Major problems identified*	*Identified thrust areas*
Pulwama	Pulwama	Mugalpora, Tenghar, Muran, Tahab, Tilangam, Dodura	10	Fruit crops (Apple,Pear, Almond etc) Vegetables Floriculture Daiyring Sheep & Poultry farming	• Pollination problem (low fruit set/yield) • Fruit drop • Fruit Russetting • Improper nutrient mgt. • Soil health problems • Diseases & Pests • Low productivity in dairy animals • Repeat breeding in dairy animals. • High mortality in poultry	Fruit prod & Floriculture IDM Livestock production
	Shadmarg	Shadimarg, Rajpora, Kalampora,	01			
	Lassipora	Lassipora, Wasoora, Nowpora, Liter, Chakura, Astanpora	03			
	Pampore	Dusoo, Barsoo, Lethpora, Khrew, Shar, Ladoo	02	Saffron	• Low productivity • Corm rot disease • Water scaricity	Scientific saffron cultivation IDM and water management
	Tral	Tral, Divar, Chitragam, Haffo, Pinglish	05	Field crops (Rice, Maize), Mustard & Dairying Fish rearing Sheep&Goat farming	• Low yielding cultivars (use of land races) • Improper nutrient management • Diseases/pests • Soil health problem • Post-harvest handling • Poor health & low yield • Foot rot & sheep scabies. • Early chick mortality in poultry.	Production management IPM/IDM Livestock production
	Aripal	Aripal, PanirDeedarpora, Khangund, Bhatnoor, Naristan, Satura Lam	05			
	Dadsara	Dadsara, Nowpora, Chandrgam, Hardumir, Amirabad	04	Field crops (Rice, Maize), Mustard Dairying Sheep & Poultry farming		
	Awantipora	Malangpora, Padgampora, Renzipora, Shaltokeun, Jangalnad, Gulzarpora	10			
	Kakapora	Ratnipora, Urcharsoo, Wanpora, Samboora Naman, Narbal	05	Vegetables Dairying Sheep & Poultry farming	• Improper nutrient management. • Pests and diseases • Unavailability of quality fodder during winter • High mortality in poultry • Improper management in winters	Vegetable production Poultry Production
	Newa	Bangund, Newa, Parigam, Pinglina				
	Achagoza Partially	Rajpora Keller, Drabgam, Abhama	03	Fruit (Apple) Maize ,Pulses Potato ,Dairy Sheep&Goat farming	• Poor Orchard mgmt • Malnutrition among masses. • Post harvest losses.	Fruit production. Post harvest management.

2.8 Priority/thrust areas

Crop / Enterprise	Thrust area
Apple, Almond	Orchard management 1. Training pruning on scientific lines 2. Use of pollinators and Pollinizers 3. Integrated disease management 4. Integrated nutrient management
Saffron	Saffron cultivation 1. Management of Corm rot disease 2. Integrated nutrient management 3. Water conservation
Rice	Rice Cultivation 1. Nursery raising, Popularisation and management of newly released varieties 2. Water management 3. Disease/Pest and Nutrient Management 4. Weed Management
Maize	Miaze Cultivation 1. Popularisation of area specific SKUAST-K relased HYV
Vegetables	Vegetable cultivation on scientific lines 1. Seed production 2. Production of early season seedlings under polyhouses 3. Popularization of vegetable hybrids
Apiary	Beekeeping 1.Popularise scientific beekeeping among unemployed youth 2. Production of valuable beeproducts. 3.Utilization of bee colonoies for pollination purpose
Post Harvest Handling and Processing	Post Harvest Management 1. Post harvest management in Agri/Horti/Dairy produce 2. Processing and Value Addition
Oilseed	Oilseed Production 1. Seed production. 2. Insect/pest and nutrition management
Fodder production	Fodder production 1.Seed production 2. Hay & silage making
Dairy Farming	1. Milk Production 2. Breed upgradation 3. Animal health /hygiene
Poultry Farming	Profitable Poultry farming and dairying 1. Popularization of Vanraja/ Kroiler birds as backyard Poultry 2. Management of infectious diseases in Poultry
Fisheries	Fish Farming
Wheat	Wheat Production 1. Seed production 2. Popularisation of high yielding varieties

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
20	14	65	50	-	112	-	209

3. A.1 FLDs Conducted under CFLDs on Oilseed

FLD (Oilseeds)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
50	50	-	43

3. A.2 FLDs Conducted under CFLDs on Pulses

FLD (Pulses)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
117	117	-	233

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	84	79	1573	1523	-	610	-	11342
Rural youth	30	17	367	276				
Extn. Functionaries	14	11	228	183				
HADP	29	29	-	1927				

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	12	-	30498

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

B. Abstract of interventions undertaken

S. No	*Thrust Area*	*Crop/ Enterprise*	*Problem*	*Interventions*										
				Title of OFT if any	*Title of FLD if any*	*No. of Training (farmers)*	*No.of Training (Youths)*	*No. of Training (extension personnel)*	*Extension activities (No.)*	*Supply of seeds (Qtl.)*	*Supply of planting materials (No.)*	*Supply of livestock (No.)*	*Supply of bio products*	
													No.	*Kg*
1.	IPM	Almond	Mite infestation	Monitoring and management of mite pests of almond		02	-	-	01	-	-	-	-	-
2	IDM	Cabbage	Aphid Problem	Monitoring and management of cabbage aphid in major cole crops under temperate conditions		02	-	-	01	-	-	-	-	-
3	INM.	Almond	Poor fruit set and yield	Effect of foliar micro-nutrient spray on fruit set and productivity of almond	-	03	-	-	01	-	-	-	-	2kg Znso4 2kg Boric acid
4	Varietal evalvation	onion	Short shelf life	Assessment of onion cv. Brown Spainsh for long shelf life	-	03	-	-	03	-	-	-	-	-
5	IPM	Apiary	Diseases & Pests	Management of Honeybees from diseases & pests		02	01	-	-	-	-	-	-	
6	Production & Mgmt. tech.	Apiary	Packing of Honeybee colonies	Seasonal management of bee colonies		02	01	-	-	-	-	-	-	
7	Production & Mgmt. technology	Fodder	Fodder shortage /loss of soil moisture	Yield & nutritional quality of fodder grass in Horti-Pastural systems	-	-	-	-	-		-	-	-	-
8	Intercropping	Garlic	Rarely cultivated	Assessment of Garlic as intercrop in high density apple orchard of District Pulwama	-	-	-	-	-	35kgs/ 0.05ha		-	-	-

S. No	*Thrust Area*	*Crop/ Enterprise*	*Problem*	**Interventions**										
				Title of OFT if any	***Title of FLD if any***	***No. of Training (farmers)***	***No.of Training (Youths)***	***No. 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**
9	Storage loss minimization tech	Walnut	Shelf life	Effect of packaging on quality & shelf life of walnut Kernels	-	2	1	-	3	2kg/ trial	-	-	-	-
10	Orchard Mgmt.	Apple	Weed Menace	Weed management in HD apple orchards	-	-	-	-	-	3ltr/trial	-	-	-	-
11	Production & Mgmt. technology	*Cupressus torulosa* (ong)	Less germination and low vigour	Stratification of Cupressuss torolusa seed for improving seed germination	-	-	-	-	-	-	1000 Polybags /location	-	-	-
12	Varietal Evalvation	Maize	Low yield due to continuous growing of local variety	Evaluation of SKUAST-K released maize varieties in higher altitude areas of district Pulwama	-	-	-	-	-	3kg/ trial				
13	Storage loss minimization tech	Capsicum	Shelf life	Effect of packaging material on quality of capsicum	-	2	3	-	*3*	1kg/ trial				
14	Production & Mgmt. technology	Landscape plants		Propagation of Landscape plants through cuttings	-	-	-	-	-					

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/Medicinal Plants/forestry	Vegetables	Fruits	Apiary	Fodder Crop	TOTAL
Varietal Evaluation	1	-	-	-	1	-	-	-	1
Protecteed cultivation	-	-	-	-	-	-	-	-	-
Plant Propogation Tech.							-		-
Layout & mgmt. of orchards	-	-	-	-	-	1	-	-	1
Prod. & Mgmt. tech	-	-	-	1		1	1		3
Nursery Mgmt.	-	-	-	-	-				
Integrated CM	-	-	-	-	1	-	-	-	1
Integrated Nutrient Management	-	-	-		-	-	-	-	
IFS	-	-	-	-	-	1	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-					
Integrated Pest Management	-	-	-	-		1	1	-	2
Integrated Disease Management	-	-	-	-		1	-	-	1
/Resource conservation technology	-	-	-	-					
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-
PHT					1	1	-	-	2
TOTAL	1	-	-	1	4	5	2	-	13

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Tuber Crops	TOTAL
-	-	-	-	-	-	-	-	-	-

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	1							1
Value Addition	-	-	-	-		-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-		-	-	-
TOTAL	1							1

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
-	-	-	-	-	-	-	-	-

3.2. Achievements on technologies Assessed and Refined

3.2.1. Technologies assessed under various crops

SNO	Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers	Location Name	Area in ha
1	IPM	Mite infestation	Monitoring and management of mite pests of almond	03	03	Patalbagh,Malangpora	.0075
2	IDM	Cabbage Aphid	Monitoring and management of cabbage aphid in major cole crops under temperate conditions	03	03	Patalbagh,Sambora, Malangpora	.025

SNO	Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers	Location Name	Area in ha
3	Integrated Nutrient Management	Almond	Effect of foliar micro-nutrient spray on fruit set and productivity of almond	03	03	Newa,Wasoura,Qoil	0.25
4	Varietal Evaluation	Onion	Assessment of onion cv. Brown Spainsh for long shelf life	05	05	Malangpora,Renzipora, Padgampora,Chakoura, Arigam	0.05
5	IPM	Apiary	Management of Honeybees from diseases & pests	03	03	Dalipora,Wakerwan, Lajora	10 colonies
6	Management Tech.	Apiary	Seasonal management of bee colonies	03	03	Dalipora,Wakerwan, Lajora	3 colonies
7	Production and management technology	Fodder	Yield & nutritional quality of fodder grass in Horti-Pastural systems.	03	03	Malangpora,Tral,Rajpora	0.05
8	Intercroping	Garlic	Assessment of Garlic as intercrop in high density apple orchard of District Pulwama	03	03	Gasoo, Koil, Chandgam	0.5
9	Storage loss minimization tech	Walnut	Effect of packaging on quality & shelf life of walnut Kernels	01	01	Vasoura	-
10	Orchard Mgmt.	Apple	Weed management in HD apple orchards	06	06	Koil,Yechgoza.,Kangan, chandgam,chandrigam	1.5
11	Production & Mgmt. technology	*Cupressus torulosa* (ong)	Stratification of Cupressuss torolusa seed for improving seed germination	03	03	Malangpora, Koil, Sunrigund	
12	Varietal Evalvation	Maize	Evaluation of SKUAST-K released maize varieties in higher altitude areas of district Pulwama	01	05	Nagristan	0.25
13	Storage loss minimization tech	Capsicum	Effect of packaging material on quality of capsicum	01	03	Malangpora	-
14	Production & Mgmt. technology	Landscape plants	Propagation of Landscape plants through cuttings	01	6	Malangpora	-
	Total						

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)*
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*	**Location Name**
Evaluation of breeds					
Nutrition management					
Disease management					
Feed and fodder	-	-	-	-	
Small scale income generating enterprises	-	-	-	-	
		Total			

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*
-	-	-	-	-

On Farm Trials :-

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	No. of trials	Technology Assessed	Prod. per unit	Net Return Rs. / unit	CB Ratio
1.	Almond	Mite Infestation	Monitoring and management of mite pests of almond	03	T1= Farmers practice T2= 2 sprays 1-Summer spray 2% 2Spiromesifen 22.9% SC @ 0.4 ml/l	Concluded (Started in 2021-23)		
2	Cabbage	Aphid Problem	Monitoring and management of cabbage aphid in major cole crops under temperate conditions	03	T1: Farmers practice T2: 1. Dimethoate 30 EC @1 ml/L	Concluded (Started in 2021-23)		
3	Almond	Less fruit set & Low yield	Effect of foliar micro-nutrient spray on fruit set and productivity of almond	03	T1: Farmer Practice T2= 2 foliar sprays 1stspray: -Boron(4000 ppm) before bloom	Ongoing (Started in 2021)		
4	Onion	Short shelf life	Assessment of onion cv. Brown Spainsh for lon shelf life	03	T1:FP:-Yellow Globe T2:-Brown Spainsh	Ongoing		
5	Apiary	Diseases & Pests	Management of Honeybees from diseases & pests	03	T1:-Farmers Practice T2:- Sulphur @ 01g/colony/season & Formic acid (5%)	Concluded (Started in 2021)		
6	Apiary	Packing of Honeybee colonies	Management of bee colonies	03	T1:- Paddy Straw T2:-Paddy Straw + Thermocol	Concluded (Started in 2021)		
7	Fodder Grass (Dactylis Glomerata)	Fodder shortage/ loss of soil moisture	Yield and nutritional quality of fodder grass in Horti-pastoral system	03	T1:- FP – Natural Sward Technology to be Demonstrated: T2:- Incorporation of fodder grass in between apple trees	Concluded (Started in 2021)		
8	Livestock	Dairy animals	Post milking teat dipping for management of mastitis in dairy animals	03	T1 :- FP-Nil T2: Application of 0.5% iodine 6 parts + glycerin 1 part post milking	Ongoing (Started in 2021)		
9	Garlic (Ongoing)	Rarely cultivated	Assessment of Garlic as intercrop in high density apple orchard of District Pulwama	05	T1:-Nil T2:- Garlic Local(European type)	Started (Sept2022)		
10	Walnut (ongoing)	Shelf life	Effect of packaging on quality & shelf life of walnut Kernels	03	T1: Farmers practice T2:Vacuum packaging in HDPE	Started (Nov2022)		
11	Apple (ongoing)	Weed menace	Weed management in HD apple orchards	06	T1:- Farmer Practice (hoeing at 45 days interval from March onwards) T2: Oxyfluorfen @ 0.5 L ha^{-1} (pre-emergence) followed by Glyphosate @ 2.0 L ha^{-1} (post-emergence) T3:Glyphosate@2.0l/ha(post emergence)	Started (Apr2022)		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	No. of trials	Technology Assessed	Prod. per unit
12	*Cupressus torulosa* (ong)	Less germination and low vigour	Stratification of Cupressuss torolusa seed for improving seed germination	01	T1:- FP- No stratification. T2:- Stratification of seeds and soil media preparation.	Started (Apr2022)
13	Maize (New)	Low yield due to continuous growing of local variety	Evaluation of SKUAST-K released maize varieties in higher altitude areas of district Pulwama	01	T1: Farmer variety T2: KG-2 T3 : SMC-3	Started (Apr2022)
14	Capsicum	Storage loss minimization tech	Effect of packaging material on quality of capsicum	01	T1: Farmers practice T2: HDPE	Started(Aug 2022)
15	Production & Mgmt. techn.	Landscape plants	Propagation of Landscape plants through cuttings	03	T1: Farmers practice T2:IBA(Indol butyric acid)@1500ppm	Started (Aug 2022)
16	Fruits and veg.	Post-Harvest Losses	Effect of Zero energy cool chamber for storage of fresh fruits & veg.	03	T1:- FP-Storage at ambient temperature T2- Storage in zero energy cool chamber	Not conducted
17	Value addition of rice	Poor nutritional quality of conventi-onnal supplementary foods	Rice based complementary food formulation	03	T_1- conventional weaning food T_2- rice, green gram, apple , milk and sugar T_3-rice green gram, apple and water	Not conducted
18	Paddy-wheat	Lack of short duration varieties	Variety evaluation under Paddy-Wheat Rotation	03	T1: No double cropping (Farmer practice T2: SR-4+SKAU WW-101 T3: SR-5+SKAU WW-101	Not conducted
19	Beans	Anthracnose	Management of anthracnose disease on beans (New)	-	T1: FP:- Spray of any fungicide after appearance of disease. T2: RP:- 1) Seed treatment with Carbendazim 50WP @ 2.5g/kg seed. 2) Foliar application of carbendazim 50WP @0.1% or Mancozeb 75WP @ 0.3% after appearance of disease.	Not conducted
20	Cucumber, Bottle gourd, Pumpkin	Powdery mildew	Management of powdery mildew disease on cucurbitaceous vegetables (New)	-	T1: FP:- Spray of any fungicide after appearance of disease. T2: RP:- Spray the crop With Hexaconazole 5EC@ 0.05% or Flusilazole40EC@0.02% at interval of 10-15 days after appearance of disease.	Not conducted

B. Results of Technologies Assessed

(a) Concluded On Farm Trials: -

OFT 1:- Yield and nutritional quality of fodder grass in Horti-pastoral system

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
Fodder Grass (Dactylis Glomerata)	Rainfed	Fodder shortage/ loss of soil moisture	Yield and nutritional quality of fodder grass in Horti-pastoral system	03	T1:- FP – Natural Sward	-	-	-	-
					T2:- Incorporation of fodder grass in between apple trees	1. Fodder Biomass & Nutrition	Fodder Grass 1.87 t/ha Crude Fibre 15.46 Crude Protien 10.47%	In addition to the increase in fodder yield there was also increase in soil moisture content which indirextly incrfreased the yield & quality of the fruit..	Satisfied with the intervention as it has solved the fodder scaricity problem foir their livestock.
						2.Yield & Fruit quality of apple	Yield 38t/ha Quality TSS=17^0 B		
						3.Soil N.P.K &	Avg. incr. in Soil NPK N: 3.76 kg/ha P:1.27 kg/ha K:0.77 kg/ha		
						Moisture content.	Medium		

(b)

Technology assessed	Source of Technology	Production (t/ha)		Net Return (Profit) in Rs./ha	BC Ratio
Same as above	SKUAST-K	Fodder T1: Nil T2: 12.87	Apple T1:-34t/ha T2:38 t/ha %increase in yield 11.76%	8,33,000 10,17,980	2.77:1 3.18:1

(c) Details of On Farm Trial for assessment

1.	Title of Technology Assessed	Yield and nutritional quality of fodder grass in Horti-pastoral system
2.	Problem definition	Fodder shortage/ loss of soil moisture
3	Detail of technologies selected for assessment	T2:- Incorporation of fodder grass in between apple trees
4	Source of technology	SKUAST-K,FOF
5	Production system & thematic area	Fodder Prod.
6	Performance of the technology with performance indicators	%increase in yield 11.76%
7	Feedback, matrix scoring of various technology parameters done through farmer's participation /other scoring techniques	-
8	Final recommendation for micro level situation	-
9	Constrains identified & feedback for research	Shortage of seed
10	Process of farmer's participation & their reaction	Awareness camapigns and field demonsatration

OFT 2:- Monitoring and management of cabbage Aphid under temperate conditions

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
Cabbage	Irrigated	Aphid	Monitoring and management of cabbage Aphid under temperate conditions	03	T1:Farmers practice T2: Dimethoate 30 EC @1 ml/lt Thiacloprid 21.7 SC @ 0.4ml/lt	• Percent incidence, • Yield	Pest incidence percentage was recorded as 22.15 in case of T1, however 8.32 was recorded in T2	*Significant reduction in the incidence of cabbage aphid, *Brevicoryne brassicae* by timely application was recorded as 46.50% in T2 over farmers practice	Farmers have accepted the technology w.r.t. • Selection of pesticide with proper dose and • Critical time of pesticidal application. Farmers were satisfied with the results and admitted to adopt the practice in future.

Technology assessed	Source of technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net return (profit) in Rs./unit	BC Ratio
11	12	13	14	15	16
Same as above in column (6)	Farmers practice	10.38	t/ha	1.57 lacs	1.6:1
T2	SKUAST-Kashmir	13.24		2.64 lacs	2.4:1

(d) Details of On Farm Trial for assessment

1.	Title of Technology Assessed	Monitoring and management of cabbage Aphid under temperate conditions
2.	Problem definition	Aphid
3	Detail of technologies selected for assessment	
4	Source of technology	SKUAST-Kashmir
5	Production system & thematic area	T2: Dimethoate 30 EC @1 ml/lt, Thiacloprid 21.7 SC @ 0.4ml/lt
6	Performance of the technology with performance indicators	
7	Feedback, matrix scoring of various technology parameters done through farmer's participation /other scoring techniques	-
8	Final recommendation for micro level situation	-
9	Constrains identified & feedback for research	Farmers were satisfied with the results and admitted to adopt the practice in future.
10	Process of farmer's participation & their reaction	Demons. and trainings

On Farm Trail-3:- Management of honeybee colonies from insect pests and diseases

Crop/ Enterprise	*Farming situation*	*Problem definition*	*Title of OFT*	*No. of trails*	*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
Apiary	Beekeeping	Insect pests and diseases	Management of honeybee colonies from insect pests and diseases	03	T1: Farmers practice T2 : Sulphur dusting @ 2g/colony Formic acid 3-5%	1. % Pest incidence of : EFB, Chalk brood, Nosema, Varroa destructor, 2.Bee population strength/colony	Pest incidence percentage was recorded as: Pest : T1 T2 EFB: 4.89 2.34 CB : 1.46 0.25 Nosema:2.56 0.98 Varroa: 14.23 3.76 BP: 10,000 50,000	*Significant reduction in the incidence of different pests are as follows: 68.25% in EFB, 76.56% in CB 44.18%in Nosema 86.45% in Varroa **Bee population increases five times more in case of T2 by managing bee diseases	Farmers have accepted the technology w.r.t. • Selection of proper dose of chemicals • Proper timing of Chemical application. • Farmers were satisfied with the results and admitted to adopt the practice in future.

Technology assessed		Source of technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net return (profit) in Rs./unit	BC Ratio
11		12				
Same as above in column (6)	T1	Farmers practice	• Proper management of diseases & Insect pest in bee colonies leads to increase in honey production. • Further proper management increases the population of bee colonies.			
	T2	SKUAST-Kashmir				

*****EFB**:**European foul brood

Wax moth (Galleria *mellonella)* attach on combs

Varroa destructor on *Apis mellifera*

Small Hive beetle *on Apis mellifera* colonies

Nosema disease in Apis mellifera

Wasp (Vespa valutina) in Apis mellifera colonies

European fowl brood in Apis mellifera colonies

On Farm Trail:- Management of bee colonies by application of different types of packing materials during winter

Crop/ Enterprise	*Farming situation*	*Problem definition*	*Title of OFT*	*No. of trails*	*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
Apiary	Beekeeping	Winter packing	Management of bee colonies by application of different types of packing materials during winter	03	T1: Farmers practice T2 : Paddy straw & Thermacol	1. % Bee mortality 2. Honey production	1.Bee mortality percentage during the winter was recorded as: Bee mortality : T1 T2 27.23% 3.25% 2. Honey production T1 T2 3.45kgs 9.67kgs	*Significant reduction in the bee mortality of 87.56% compared to farmers practice (T2) was recorded during winter by proper application of packing material in the colonies. *Honey production >2 times was observed in T2 compared to T1.	Farmers are very much enthusiastic to adopt the technology w.r.t. • Packing of bee colonies during winter by applying various packing materials. • Farmers were satisfied with the results and admitted to adopt the practice in future.

Technology assessed		Source of technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net return (profit) in Rs./unit	BC Ratio
11		12	13	14	15	16
Same as above in column (6)	T1	Farmers practice	6.26	kg/ colony/year (subject to favorable weather conditions)	3245/=	1.5:1
	T2	SKUAST-Kashmir	13.70		7258/=	3.6:1

On Farm Trail-5 Monitoring and Management of mite pests of almond

Crop/ Enterprise	*Farming situation*	*Problem definition*	*Title of OFT*	*No. of trails*	*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
Almond	Irrigated	Mite infestation	Monitoring and Management of mite pests of almond	03	T1: Farmers practice T2: 1. Dormant oil 0.75 ml/l (Early) 2. Spiromesifen 22.9 SC @ 0.4ml/l (Late)	Percent incidence, yield	Pest incidence was recorded as 13.65% in case of T1, while 5.32% was recorded in T2.	*Significant reduction in the incidence of European Red mite by timely application was recorded i.e. 58.24% in T2 over farmers practice	Farmers have accepted the technology w.r.t. • Selection of pesticide with proper dose and • Critical time of pesticidal application. Farmers were satisfied with the results and admitted to adopt the practice in future.

Technology assessed		Source of technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net return (profit) in Rs./unit	BC Ratio
11		12	13	14	15	16
Same as above in column (6)	T1	Farmers practice	1.12	t/ha	1.70 lacs	1.9:1
	T2	SKUAST-Kashmir	1.74		2.10 lacs	2.7:1

3. FRONTLINE DEMONSTRATION

4.A. Summary of FLDs implemented during (2022-23)

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	
1	Oilseeds	Irrigated	Rabi 2021-22	Brown sarsoon	Shalimar Sarsoon-2	-	Crop production	Popularization of SKUAST-K released varieties	164	22.88	156	Rice
2	Pulses	Rainfed-	Kharif 2022	Rajmash	Shalimar Rajmash-1	-	Crop production	Popularization of SKUAST-K released varieties	148	29.3	140	Field pea
		Rainfed	Kharif 2022	Moong	SM-1	-	do	do	48	32.6	149	Do
3		Rainfed	Rabi 2021-22	Pea	SP-1	-	do	do	115	32	75	Rajmash +Maize
4		Rainfed	Rabi 2021-22	Lentil	SL-1		do	do	102	22	198	Moong
5	Cereals	Irrigated	Kharif 2022	Rice	SR-4, SR-5	-	Crop production	Popularization of SKUAST-K released varieties	146.4	24.8	135.6	Oil seeds
		Rainfed	Kharif 2022	Maize	SMC-3, KG-2	-	Crop production	Popularization of SKUAST-K released varieties	142	32.6	159	Oats

4.A. 1. Soil fertility status of FLDs plots during (2022-23)

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	
1	Oilseeds	Rainfed	Rabi (21-22)	Brown sarsoon	Shalimar Sarsoon-2	-	Crop production	Popularization of SKUAST-K released varieties	164	42.88	156	Rice
2	Pulses	Rainfed	Kharif 2022	Rajmash	Shalimar Rajmash-1		Crop production	Popularization of SKUAST-K released varieties	148	32	140	Field pea
3	Pulses	Rainfed	Kharif 2022	Moong	SM-1	-	Crop production	Popularization of SKUAST-K released varieties	248	42	140	Field pea
4	Pulses	Rainfed	Rabi (21-22)	Lentil	Shalimar Masoor-1	-	Crop production	Popularization of SKUAST-K released varieties	135	29.4	139.2	Rajmash
5	Cereals	Irrigated	Kharif 2022	Rice	SR-4,SR-5	-	Crop production	Popularization of SKUAST-K released varieties	146.4	28.8	35.6	Oil seeds

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	
6	Cereals	Rainfed	Kharif 2022	Maize	SMC-3, KG-2	-	Crop production	Popularization of SKUAST-K released varieties	142	43.6	159	Oats

B. Results of Frontline Demonstrations

4.B.1. Crops

Crop	*Name of the techn. Demons..*	*Variety*	*Hybrid*	*Farming situation*	*No. of Demo./ FAR*	*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	SKUAST-K released varieties & POP	Shalimar Sarsoon-2	-	Irrigated	50/43	10	17	13.18	15..09	11.5	31.22	38,000	9,05,40	52,540	2.38:1	36150	57,500	21,350	1.59:1
Pulses																			
Pea		Shalimar Pea-1	-	Rainfed	33/74	6.6	14	10	12	8	50	36,600	72,000	35,400	1.96:1	34,000	48,000	14.000	1.41:1
Rajmash		Shalimar Rajmash-1	-	Rainfed	50/ 60	10	11.98	10.56	11.27	8.25	36.6	51500	146500	95010	2.84:1	44,500	90750	46250	2:03:1
Moong		SM-1	-	Rainfed	50/ 146	10	11.9	8.5	10.2	6.65	34.8	46200	12,2400	76,200	2.46:1	42,100	66,500	24,400	1.57:1
Lentil		SL-1		Rainfed	17/27	3.4	7.8	6.2	7.0	5	40.0	35,000	72,000	37,000	2.6:1	31,600	45,500	13,900	1.44:1
Cereals			-	-															
Rice		SR-4	-	Irrigated	50/60	10	85	81	83	60	38.33	1,06,000	205000	99000	1.93:1	97,000	1,45,100	48,100	1.50:1
		SR-5	-	Irrigated	19/35	3.75	74	56	65	43	51.16	92,000	1,57,000	65,000	1.7:1	80,000	1,21,500	41,500	1.52:1
Maize		KG-2	-	Rainfed	10/40	2.0	58	48	52	31	67.74	49,000	1,30,000	81,000	2.65:1	40,000	75,000	35000	1.31:1
Maize		SMC-3	-	Rainfed	35/59	7.0	60	50	55	30	83.33	70000	165000	95000	2.35:1	60000	110000	50000	1.8:1
Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Data on other parameters in relation to technology demonstrated					
Crop	***Technology to be demonstrated***	***Variety/ Hybrid***	***Parameter with unit***	***Demo***	***Check***
Rice	Popularization of Blast resistant Variety SR-4	Variety	Disease incidence	5%	20%

4.B.2. Livestock and related enterprises:

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	*No. Of Units*	*Yield (q/ha)*				*% Increase*	**Economics of demonstration Rs./unit)*				**Economics of check (Rs./unit)*			
					Demo			*Check*		*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*	*Gross Cost*	*Gross Return*	*Net Return*	*** BCR*
					H	L	A										
Cattle	Supplementation of mineral mixture		5	25	14	12	13	11	18	85000	144000	49000	1.5:1	92000	13200	40000	1.43:1

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

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

4. 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									

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

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)*			*% Incr.*	**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																	

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

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

B.5. Extension and Training activities under FLD

Sl.No.	*Activity*	*No. of activities organised*	*Number of participants*	*Remarks*
1	Field days	07	128	Field days play an important role in technology dissemination.
2	Farmers Training	12	97	Good response from farmers.
3	Media coverage	9	-	Media also plays an important role in dissemination of knowledge.
4	Training for extension functionaries	-	-	.

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

A) **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	1	10	2	12				10	2	12
Seed Production	1	15	0	15	0	0	0	15	0	15
Crop Diversification										
Integrated crop Management	4	68	19	87	0	0	0	68	19	87
Production of organic inputs/organic farming	1	15	0	15				15	0	15
Total	7	108	21	129	0	0	0	108	21	129
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	15	0	15				15	0	15
Nursery raising	1	15	0	15				15	0	15
Exotic vegetables	1	15	0	15				15	0	15
Organic Farming	1	15	0	15				15	0	15
INM in cole crops	1	15	0	15				15	0	15
Total	5	75	0	75				75	0	75
b) Fruits										
Training and Pruning	5	124	0	124				5	124	0
Layout and Management of Orchards	2	34	0	34				2	34	0
Nutrient Management	1	14	0	14				1	14	0
Total	8	172	0	172				8	172	0
c) Ornamental Plants										
Management of potted plants	2	26	10	36				26	10	36
Lawn Making										
d) Medicinal and Aromatic Plants										
Nursery management										
Production & mgmt technology										
Post harvest techn. & value addition										
Grand total(a-g)	15	273	10	283				273	10	283

III Soil Health and Fertility Management										
Integrated Nutrient Management	2	25	0	25				25	5	30
Nutrient Use Efficiency	1	7	0	7				7	0	7
Total	3	32	0	33				32	0	33

IV Livestock Production and Management										
Animal Nutrition Management	2	35	0	35	-	-		35	0	35
Disease Management	5	170	40	210				170	40	210
Feed & fodder technologies	1	33	13	46	-	-		33	13	46
Production of quality animal products	1	15	0	15	-	-		15	0	15
sheep and goat rearing	1	40	0	40	-	-		40	0	40
Others(Vermicomposting)	1	5	0	5	-	-		5	0	5
Total	11	298	53	351	-	-		298	53	351
V. Home Science/Women empowerment										
PHT/Value addition	3	8	18	26				8	18	26
Post Harvest Management	3	25	28	53				25	28	53
Others(Grading and packing)	1	11		11				11		11
Total	7	44	46	90				44	46	90
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection										
Integrated Pest Management	8	104	0	104				104	0	104
Total	8	104	0	104				104	0	104
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
X CapacityBuilding and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Total										
XI Agro-forestry										
Production technologies	4	48	15	63				48	15	63
Poplar cottan Menace	1	16	0	16				16		16
TOTAL	5	64	15	79				64	15	79
Grand Total	**56**	**923**	**145**	**1068**				**923**	**145**	**1068**

B) **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										
Integrated Crop Management	1	25		25				25		25
Total	1	25	0	25				25	0	25
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	18		18	-	-	-	18		18
Off-season vegetables/crop diversification	2	30	3	33	-	-	-	30	3	33
Protective cultivation (Green Houses, Shade Net etc.)	1	15		15	-	-	-	15		15
INM	1	15		15	-	-	-	15		15
Crop Diversification	1	15						15		
Total(a)	6	93	3	81	-	-	-	93	3	81
b) Fruits										
Training and Pruning										
Grafting & Budding	1	14		14	-	-	-	14		14
Layout and Management of Orchards	1	8		8	-	-	-	8		8
Management of young plants/orchards	2	32		32	-	-	-	32		32
Nutrient Management					-	-	-			
Plant propagation techniques					-	-	-			
JalShakti Abhiyan					-	-	-			
Total(b)	4	54	0	54				54	0	54
c) Ornamental Plants										
Nursery Management					-	-	-			
Management of potted plants					-	-	-			
LandScaping	1	7	3	10	-	-	-	7	3	10
d) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology										
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Total(a-d)	11	154	6	160				154	6	160
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	3	75	0	75				75	0	75
Integrated Nutrient Management										
Production and use of	1	21	0	21				21	0	21

organic inputs										
Nutrient Use Efficiency										
Soil and Water Testing										
Total	4	96	0	96				96	0	96
IV Livestock Prod. Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Disease Management	1	25	0	25	-	-	-	25	0	25
Feed management	1	21	0	21	-	-	-	21	0	21
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Total	2	46	0	46	-	-	-	46	0	46
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet	1	0	34	34				0	34	34
Minimization of nutrient loss in processing	1	-	11	11	-	-	-	0	11	11
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
PHT/Value addition	-	-	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Total	2	0	45	45				0	45	45
VI Agril. Engineering										
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	3	40	16	56				40	16	56
Integrated Disease Management										
Mushroom Cultivation	-	-	-	-	-	-	-	-	-	-
BeeKeeping	2	18	5	23				18	5	23
Total	5	58	21	79				58	21	79
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
X CapacityBuilding	-	-	-	-	-	-	-	-	-	-

and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Climate Change	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
TOTAL										
GTotal	24	338	130	468				338	130	468
(B) RURAL YOUTH										
Value Addition	4	50	58	108				50	58	108
Seed Production	1	12	3	15				12	3	15
Nursery Management of Horticultural crops	3	20	5	25				20	5	25
Protected cultivation of veg. crops	1	8	7	15				8	7	15
Nutrient Management	1	11	4	15				11	4	15
Budding anf Grafting	1	11	4	15				11	4	15
Food Safety	1	11	4	15				11	4	15
Flower Pacakaging	1	11	4	15				11	4	15
Organic farming/Soil health mgmt	2	25	4	29				25	4	29
Small scale processing	1	0	17	17				0	17	17
Rural Crafts	1	0	7	7				0	7	7
Total	17	159	117	276				159	117	276
(C) Extension Personnel										
Rejuvenation of old orchards/Orchard management	1	13		13				13	0	13
Protected cultivation technology	1	15		15				15	0	15
PHT/ Value Addition	5	0	76	76				0	76	76
IDM	2	20	5	25				20	5	25
Soil Health and Fertility	1	40	5	45				40	5	45
Forest Nursery Management	1	9		9				9		9
TOTAL	11	97	86	183				97	86	183

c) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	1	10	2	12				10	2	12
Seed Production	1	15	0	15	0	0	0	15	0	15
Crop Diversification										
Integrated crop Management	5	93	19	112	0	0	0	93	19	112
Production of organic inputs/organic farming	1	15	0	15				15	0	15
Total	**8**	**133**	**21**	**154**				**133**	**21**	**154**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	2	33	0	33				33	0	33

Nursery raising	1	15	0	15				15	0	15
Exotic vegetable cultivation/Crop Diversification	1	15	0	15	-	-	-	15	0	15
Organic Farming	1	15	0	15				15	0	15
INM in cole crops	2	30	0	30				30	0	30
Protective cultivation (Green Houses, Shade Net etc.)	1	15	0	15				15	0	15
Crop Diversification	1	15	0	15				15	0	15
Total	9	140	0	140				140	0	140
b) Fruits										
Training and Pruning	5	124	0	124				124	0	124
Layout and Management of Orchards	3	42	0	42				42	0	42
Nutrient Management	1	14	0	14				14	0	14
Grafting & Budding	1	8	0	8				8	0	8
Management of young orchards	2	32	0	32				32	0	32
Total	12	220	0	220				220	0	220
c) Ornamental Plants										
Nursery Management										
Management of potted plants	2	26	10	36				26	10	36
LandScaping										
Lawn Making	1	7	3	10				7	3	10
d) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Total	3	33	13	46				33	13	46
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	3	75	0	75				75	0	75
Integrated Nutrient Management	2	25	0	25				25	0	25
Production and use of organic inputs	1	21	0	21				21	0	21
Nutrient Use Efficiency	1	7	0	7				7	0	7
Soil and Water Testing										
Total	7	128	0	128				128	0	128
IV Livestock Prod. Management										
Animal Nutrition Management	2	35	0	35	-	-		35	0	35
Disease Management	6	216	40	256				216	40	256
Feed & fodder technologies	2	54	13	67	-	-		54	13	67
Production of quality animal products	1	15	0	15	-	-		15	0	15
sheep and goat rearing	1	40	0	40	-	-		40	0	40
Others(Vermicomposting)	1	5	0	5	-	-		5	0	5
Total	13	365	53	418				365	53	418

V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet	1	0	34	34						
Minimization of nutrient loss in processing	1	0	11	11	-	-	-	-	-	-
Grading and Packing	1	11	0	11	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
PHT/Value addition	6	53	46	99						
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Grading and Packing										
Total	9	64	91	155						
VI Agril. Engineering										
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	11	144	16	160						
Integrated Disease Management										
Mushroom Cultivation										
Pollination Management										
Beekeeping	2	18	5	23						
Total	**13**	**162**	**21**	**183**						
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
X CapacityBuilding and Group Dynamics										
Leadership development										
XI Agro-forestry										
Production technologies	4	48	15	63						
Poplar cotton Menace	1	16	0	16						
Integrated Farming Systems										
Total	**5**	**64**	**15**	**79**						
(B) RURAL YOUTH										
Value Addition	4	50	58	108				50	58	108
Seed Production	1	12	3	15				12	3	15
Nursery Management of Horticultural crops	3	20	5	25				20	5	25

Protected cultivation of veg. crops	1	8	7	15				8	7	15
Nutrient Management	1	11	4	15				11	4	15
Budding anf Grafting	1	11	4	15				11	4	15
Food Safety	1	11	4	15				11	4	15
Flower Pacakaging	1	11	4	15				11	4	15
Organic farming/Soil health mgmt	2	25	4	29				25	4	29
Small scale processing	1	0	17	17				0	17	17
Rural Crafts	1	0	7	7				0	7	7
Total	17	159	117	276				159	117	276
(C) Extension Personnel										
Rejuvenation of old orchards/Orchard management	1	13	0	13				13	0	13
Protected cultivation technology	1	15	0	15				15	0	15
PHT/ Value Addition	5	0	76	76				0	76	76
IDM	2	20	5	25				20	5	25
Soil Health and Fertility	1	40	5	45				40	5	45
Forest Nursery Management	1	9	0	9				9	0	9
TOTAL	11	97	86	183				97	86	183

D) STRY /Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Dur days	No. of Participants			Self-employed after training			No. of persons employed else where
					M	F	T	Type of units	No. of units	No. of persons employed	
Livestock (MANAGE Hyderabad)	12th Dec to 18th Dec. 2022	Economic Dairy farming for livelihood Generation	DAIRY FARMING	07	28	0	28	-	-	-	-
Agroforestry (MANAGE Hyderabad)	20th Dec to 26th Dec.2022	Agro Forestry for sustainable livelihood for rural youth	Agroforestry	07	28	0	28	-	-	-	-
Horticulture (MANAGE Hyderabad)	20th Dec to 26th Dec.2022	Nursury raising of Temperate fruit crops for livelihood upliftment of rural youth	Nursery Raising	07	28	0	28	-	-	-	-
vermicompost (MANAGE Hyderabad)	28th Dec 2022 to 3rd Jan 2023	Promotion of integrated Vermi composting residue free Agriculture/Horticulture in Pulwama District	Vermicompost	07	19	9	28	-	-	-	-
Vegetable science (MANAGE Hyderabad)	28th Dec 2022 to 3rd Jan 2023	Production Technology under protected structures for employment generation of rural youth	Cultivation of Vegetable under protected cultivation	07	16	12	28				
Sheep Farming (MANAGE Hyderabad)	20th-26th Jan2023	Sustainable sheep farming for livelihood generation	Livestock	07	27	1	28	-	-	-	-

Value addition (MANAGE Hyderabad)	18th to 24th Jan 2023	Processing & Value addition of fruits and vegetables for entrepreneurship	PHT/FST	07	0	28	28	-	-	-	-
Soil Testing (MANAGE Hyderabad)	24th to 30th January 2023	Soil Testing as business opportunity for rural youth	Livestock	07	28	0	28	-	-	-	-
SAMETI JK	17th -23rd March 2023	Poultry farming for livelihood upliftment of rural youths	Livestock	07	5	10	15				
Medicinal and Aromatic Plants (MANAGE Hyderabad)	17th -23rd March 2023	Cultivation of Medicinal and Aromatic Plants	Floriculture	07	13	15	28	-	-	-	-
			Total :-		197	79	282				

E) Sponsored Training Programmes conducted by KVK: -

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	29th Aug 2022	Mushroom cultivation	Plant Protection	Mushroom	01	Farmers	01	17	8	25				17	8	25	Mushroom research and training centre Division of Plant Pathology, Shalima	
2	Ist to 8th Nov2022 (Subtribal Tral belt)	Scientific techniques for the management of apiary aiming entrepreneurship	Plant Protection	Beekeeping	08	Farmers /RY	01	21	4	25	-	-		21	4	25	(MSME)	
3	16th Nov 2022	Scientific training& pruning of apple orchards	Fruit Science	Orchard Management	01	Farmers		40	0	40				40	0	40	Dept. Of Horticulture	
4	17th Nov 2022	Role of user friendly agro-advisory applications for benefit of farmers	Agriculture Extension	Weather advisories.	01	Farmers		60	8	68				60	8	68	Div. Of Envr. Science	
5	15th- 20th March 2023	Cultivation of Medicinal and aromatic plants	Floriculture	Prod. and Mgmt Tech.	06	Farmers/ RY		11	11	22				11	11	22	Agro-forestry (JK Science Tech. and Innovation council)	
6	Ist March 2023	Awareness cum training programme on "Medicinal plants- For food, nutritional and livelihood security"	Floriculture	Prod. and Mgmt Tech.	01	Farmers		100	0	100				100	0	100	Regional cum facilitation centre, North region-II	
							Total	255	31	286				255	31	286		

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		
								Male	Female	Total	Male	Female	Total	Male	Female	Total

6. Extension Activities (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purpose/Topic & Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				M	F	T	M	F	T	M	F	T	M	F	T
1.	Field Day	Oilseed (13th ,20th April 2022 Wagud,Dangerpora, Awantipora	02	35	0	35	-	-	-	-	-	-	35	0	35
2.	Field Day	Moong 7th sep 022) Shaltakno	01	7	0	7	15	10	25				22	10	32
3.	Field Day	Maize(7th Sep 2022) Sangarwanu	01	19	0	19	-	-	-	-	-	-	19	0	19
4.	Field Day	Rajmash(15th June 202) Shadipora	01	30	0	30	-	-	-	-	-	-	30	0	30
5.	Field Day	Pea(May, June 2022)	02	12	0	12	-	-	-	-	-	-	12	0	12
		Total	07	103	0	103	15	10	25				118	10	128
5.	Kisan Mela	6th-7th March2022	03	1800	700	2500							1800	700	2500
6.	KisanGhosthi		04	616	193	809	-	-	-	-	-	-	616	193	809
7.	Exhibition	April 2022 - March 2023	14	683	295	918	-	-	-	-	-	-	683	295	918
8.	Film Show		02	62	23	85	-	-	-	-	-	-	62	23	85
9.	Method Demonstration	April 2022- March 2023	49	464	128	592	-	-	-	-	-	-	464	128	592
10.	Farmers Seminar	-					-	-	-	-	-	-			
11.	Workshop	-	01				-	-	-	-	-	-			
12.	Group meetings	-					-	-	-	-	-	-			
13.	Lectures delivered as resource persons		81	1594	413	2007	-	-	-	-	-	-	1594	413	2007
14.	Newspaper coverage	April 2022 - March 2023	20	-	-	-	-	-	-	-	-	-			
15.	Radio talks /TV talks	April 2022 - March 2023	03	-	-	-	-	-	-	-	-	-	-	-	-
16.	Popular articles	April 2022 - March 2023	03	-	-	-	-	-	-	-	-	-			
17.	Extension Literature	April 2022 - March 2023	02	-	-	-	-	-	-	-	-	-			
18.	Advisory Services	April 2022 - March 2023	27	1500	-	1500	-	-	-	-	-	-	1500	-	1500
19.	Scientific visit to farmers field	April 2022 - March 2023	190	956	148	1104	-	-	-	-	-	-	956	148	1104
20.	Farmers visit to KVK	April 2022 - March 2023	-	1538	328	1866	-	-	-	-	-	-	1538	328	1866
21.	Diagnostic visits	April 2022 - March 2023	102	150	10	160	-	-	-	-	-	-	150	10	160
22.	Exposure visits	April 2022 - March 2023	21	443	115	558	-	-	-	-	-	-	443	115	558
23.	Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	Soil health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	Agri/Hort. Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	Soil test campaigns	April 2022 - March 2023	02	350	0	350	-	-	-	-	-	-	-	-	-
28.	Farm Science Club Conveners meet					-	-	-	-	-	-	-	-	-	-
29.	Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	Farmer Scientist	April 2022 -	60	1074	219	1293							1074	219	1293

	interaction	March 2023													
31.	MahilaMandals Conveners meeting	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	Celebration of important days	April 2022 - March 2023	28	1702	303	2005	-	-	-	-	-	-	1702	303	2005

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**
Pulwama	1538	120	Apple Veg. Garlic Beekeeping Flower walnut	Dairy, sheep and poultry	-	-	-		

6.C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2022-23:-Nil

No. of Technology week celebrated	**Types of Activities**	**No. of Activities**	**Number of Participants**	**Related crop/livestock technology**
1	Gosthies	-	-	
2	Lectures organized	-	-	-
3	Exhibition	-	-	-
4	Film show	-	-	-
5	Fair	-	-	-
6	Farm Visit	-	-	-
7	Diagnostic Practicals	-	-	-
8	Distribution of Literature (No.)	-	-	-
9	Distribution of Seed (q)	-	-	-
10	Distribution of Planting materials (No.)	-	-	-
11	Bio Product distribution (Kg)	-	-	-
12	Bio Fertilizers (q)	-	-	-
13	Distribution of fingerlings	-	-	-
14	Distribution of Livestock specimen (No.)	-	-	-
15	Total number of farmers visited the technology week		221	-

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	Wheat	SW-1	1.90	3410	1.90q sold @Rs18/kg
			0.30	-	Isuued to KVK IF
	Paddy(seed)	SR-4	5.60	7000	Sold @Rs 12.50kg
Oil Seeds	Mustard	SS-2	1.45	8700	Issued to FLD @Rs.6000/qtl
Pulses	Field Pea	Shalimar Pea-1	1.50	9000	Sold to DARS Budgam@Rs.60/kg
Fodder Crops	Oats	SFO-1 & SFO-2	1.25	-	Issued to KVK IF
Vegetables	-	-	-	-	
	Total		**12.0**	**28110**	**-**

B) PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
	Apple grafted (HD)	Gala, Red Gold,Red Chief, Red Velox, Organ super,Devil Gala,Mitchgala,Jeromine	300	75000	215(300 plants sold @Rs.250/plant)
	Apple assorted	Mix	-	-	-
	Clonal Apple Rootstock	MM106/M9/M111	532	53200	8(532 Roots sold @100/rootstock)
	Walnut grafted	Selections	181	72400	110(181 plants sold @Rs.400/plant
	Walnut seedlings		545		Issued to Forestry Div.
	Grafted Apricot	CITH Slections	22	-	Planted at KVK IF
	Grafted Plum	Santaros	15	-	-
	Peach grafted	-	-	-	
	Quince	-	-	-	-
	Almond Root stock	-	-	-	-
	Almond Grafted		257	53970	70(257 plants sold @Rs.210/plant) Issued to Div of Fruit Science and SRS Konibal
	Orchard(Apple & walnut		-	77000	Auction
		Total	**1815**	**331570**	
VEGETABLES	Cole crops	Knol Khol	21990	10955	200
		Cabbage	1099	1648.5	
		Cauliflower	3675	5512.5	
		Broccoli	1774	2661	
		BottleGourd			
	Solnaceous	-			
	Cucerbits	Cucumber	145	1450	
		Total	**28683**	**22227**	
Forestry		Conifers,Lavenders,Rosemarry,Bergeni	**3000 (Sold 150)**	**3000**	**25**

C) BIO PRODUCTS: NIL

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

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
Cattle	Cow	Jersy	1	-	-	-
	Cow	HF	2	-	-	-
	Calves	HF	4	-	-	-
Poultry		Vanraja Birds	800	-	22000	80
Fisheries		Commoncarp		-	-	-

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

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

(A)

Item	*Title*	*Authors name*	*No. of copies*
Research papers	Nutrient Status of agro forestry systems of kashmir Himalayas., journal of range management and agroforestry, 2022	Mehraj u din Dar, K.N.Kaiser, A.H. Mughal, **J.A. Mugloo**	
	An intervention approach for improving nutritional status of mothers and children in Kashmir(India). Pharma Innovation Journal	*Dr.Iffat Ghani*	
	Second generation extruded snacks from sweet chest nut and corn blendsnumeriacal optimisation, nutritional, nutriceutical and storage stability charecteristics, Nutrition and food science Journal, 2022	*Altaf, R.*, ***Zargar, I.A****., g.Hussain*	
	Effect of foliar nutrient sprays on flowering and bulb production of Tuplia gesnariana.L	*Dr Gazanfer Gani*, Dr Z.A.Rather,Dr.I.T Nazki, Dr.Riaz Lone , Dr.J.A.Baba, Dr.R.A.Dar and Dr.Gowher N Parray	
	Studies on corelation and path coefficient analysis for various traits in different strawberry cultivars under temperate climatic conditions of Kashmir, The Pharma Innovation Journal	Sehrish jan, **Jahangeer A. Baba,**	
	Assessment of selected grass and legume biomass species in high altitude range lands of kashmir himalaya valley, Plants 2022	**J.A. Mugloo**, Mehraj u din Khanday e al.	
Technical reports			
Book chapters			
Technical bulletins			
Popular articles			-
Training Manual			-
Extension literature			
Folders /leaflets/Booklet	Lamness in sheep and its scientic management	Dr.Raies Dr.Zaffar	-
	Management guide for apple orchards in Kashmir 2022	Dr.AliAnwar Dr.Mushtaq A Bbhat **Dr.Z.A.Badri**	-
			-

(C) Details of Electronic Media Produced: -

S. No.	Type of media (CD / Software)	Title of the programme	Number
1	DVD	KVK Farm uplifting	01

(D) 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):-

Case study/Success Story No: 1

Beekeeping as a Profitable enterprise for unemployed enterpruners

Introduction

Situation analysis/Problem statement: A brief statement of problem was unemployment of Mr. Sajad Ahmad Bhat R/O Kamla Tral Pulwama who attend the training programme conducted on "APICULTURE" exclusively organized for the unemployed youth of District Pulwama by this Kendra. The programme was in recognition of the importance of beekeeping for entrepreneurship development among unemployed rural youth which plays an important role for enhancing the economy of farming community. The said youth have participated in the said programme which was designed to update the skill and knowledge about bees and beekeeping in the field of agriculture and horticulture with development of entrepreneurship. Theoretical as well as practical classes were conducted during the programme for the trainees with exposure visit to pollination Centre Shalimar and practical demonstrations in the farmer's field. The participant have acquired skill and knowledge during the programme regarding rearing of bees, management of bee colonies, their role in pollination in temperate crops especially apple and extraction and processing honey and other bee products.

Plan implement and support: This Kendra have organised training programme for unemployed to tackle the problems with technologies, extension efforts and critical inputs. Sajad Ahmad Bhat S/o Ghulam Mohmmad Bhat is a new entrepreneur from Kamla Buchoo of District Pulwama. He is young and enthusiastic dealing with bee farming to sustain his family of six members. He take the option to deal with beekeeping which makes him mentally strong to gain more income from this enterprise as an extra source. He has started with 20 bee colonies last year and now increase it to 100. Besides honey, he can also extract some valuable bee products like pollen, propolis and wax.

Output: Results achieved among participating unemployed youth in terms of gain in knowledge and skills about proper rearing of bees and their importance in enhancing productivity in horticulture as well as agriculture sector.

Outcome:

- Impact on unemployment by achieving success in the beekeeping sector
- More unemployed youth came under this enterprise
- Enhancement of economic conditions
- Livelihood security

Impact:

There was a great impact on unemployment by conducting the training programmes on beekeeping where more and more unemployed youth come under this enterprise. Beekeeping have more advantages than other enterprise as follows:

- No need of land
- Less investment
- Any cast can do it
- No labour expensive

Socio-economic impact of program

- The Skill based training program helped him to acquire theoretical as well as practical knowledge regarding bee farming which encouraged him to take up apiculture as a supplementary income generating activity.

- Before training, he was able to generate an income of not more than Rs. 2.25 lakhs annually. The implementation of various skills acquired during the training helped him to generate an income of more than Rs 4.27 lakhs per year from the various activities undertaken utilizing the same resources.

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

The expertise of progressive farmers and experienced rural women from the ex-trainees of this Kendra is being utilized and they are involved in imparting training on various aspects of farming and also demonstrate various technologies adopted by them in their own fields to the participating farmers in various programmes of this Kendra in which thrust is laid on a particular technology in which the experts are trained. These programmes include Bee keeping, poultry production, earthen wear painting, cutting & tailoring and Package of practices for various crops.

9.C. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Apple /Almond	Farmers burlap the tree trunks of almond and apple with HDPE and gunny bags and also hang colored water in bottles on trees.	They use it to prevent the damage due to porcupine which scrap the bark of the trees under conditions of food shortage.
2	Maize / Rajmash	Mixed cropping of Rajmash and Maize is being practiced by the farming	Since the Rajmash variety Canadian Red is pole type as such it is grown in maize

		community of the area	fields in order to save staking of Rajmash plants.
3	Use of wood ash as insecticide	It is believed wood ash produced in the kitchen is spread on the seed beds and vegetable beds for controlling the insects because wood ash has been seen to have insecticidal property.	This technology can be used for development of an organic insecticide for controlling insects in kitchen gardens.
4	Saffron as intercrop in almond orchards	Observing that 02 crops almond and saffron require different periods of cultivation for the year, and can be inter cropped with minimum effect on each other	Cultural operations for almond start in Feberuary.The crop is harvested in the month of August. and the saffron cultivation starts in Aug and harvesting done in October-November. So there is a better utilization of the land with 200% cropping intensity. Also the soil fertility and water requirements being same for both. Moreover the saffron is surface crop (roots upto 10cm deep) where as the almond feeds below 10cms.

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

- **Identification of courses for farmers/farm women-** Survey, Group discussions, PRA in villages
- **Rural Youth-** Survey, Group discussions, PRA in villages
- **In-service personnel- Meeting with officers of Line departments**

9.E. Field activities

i. Number of villages adopted - 01
ii. No. of farm families selected - 180
iii. No. of survey/PRA conducted - 01

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

Status of establishment of Lab :

1. Year of establishment : Feb 2005 started Oct-2009
2. List of equipments purchased with amount :
3. Details of samples analyzed / Soil Health Cards issued during 2022-23 **:**

Details	No.	No. of Farmers	No. of Villages	Amount realized
Soil Samples+ FLD samples	233 325	233 325	101	26790/-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Soil Health Cards Issued	558	-	-	-

4. Status of mini soil testing labs/kit : 01 Functional 01 Not in good condition
5. Year of procurement of lab/kit :
6. No. of mini labs with the KVK : 02
7. Type of mini labs (Name of lab/Kkt) : STFR Meter

Sl. No	Name of the Equipment	Qty.	Cost
1	Flame photometer	1	34725.00
2	Ph meter	1	10430.00
3	Hot air oven	1	19800.00
4	Shaker	2	27360.00
5	Balance single cap 5 K.g	1	9778.00
6	Chemical balance cap 300gm	1	100880.00
7	Refrigerator 300 ltr with stabilizer	1	18125.00

8	Spectophotometer	1	41500.00
9	Altimeter	1	3035.00
10	Jindal Kjeldal distillation and combined unit	2	28206.00
11	Distillation unit cap 5 lit	1	10116.00
12	Grinder	1	24897.00
13	Soilaugur	2	2384.00
14	Water distillation apparatus 2.5 cap	1	98469.00
15	Hot plate rectangular	1	3480.00
16	Glass ware	--	6280.00
	Total		439465.00

Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2022-23: Nil

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

10. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Training and pruning on scientific lines	320	60%	Rs 550/day	Rs. 900/day
Budding and grafting	155	55%	Rs 500/day	Rs.800/day
Vermi compost-(6'x2'x1.5')	140	90%	Nil	Rs.90,000-2,00,000/year
Early season vegetable (production under polyhouses	55	50%	Nil	1,30,000/acre
Poultry Farming	56	35	Nil	10,000-1,00,000/year
Dairy Farming	43	45%	Nil	95000/year
Scientific Sheep Farming	28	75	90,000/year	1,15,000/year
Processing & value addition of Vegetables	28	42	Nil	40,000/year
Processing & value addition of Fruit	32	51	Nil	55,000/year
Mushroom	56	12.5%	Nil	7000/10 trays
Beekeeping	93	20%	-	12,000/hive

10.2. Cases of large-scale adoption

Paddy:-

Paddy is being cultivated over an area of more than 15000 ha in district Pulwama. Up-lifting the socio-economic status of farming community, productivity of any particular crop plays pivotal role, hence popularization of high yielding varieties in a time bound manner is key for its success. Working with this resilience, this KVK plays lead role in the popularization of SKUAST-K released high yielding varieties in different crops. In case of paddy, SKUAST-K released SR-4 and SR-5 for popularization among the farming community of both lower and upper belts with a yield potential of 90 q/ha and 80 q/ha respectively against earlier SKUAT-K released varieties of SR-2 and SR-3 with

a yield potential of 15 q/ha less than SR-4 and SR-5, thereby increasing the average production of farmer by about 20%. From last two years this KVK is popularizing both of these varieties in both lower and higher altitude areas of the district and covered almost 100 villages in case of SR-4 in lower belts and only 3 villages in SR-5 in case of upper belts because high altitude area available for paddy cultivation is very less as it is preferred for apple cultivation against paddy.

Brown Sarsoon:-

More than paddy, area under oil seed production is about 17000 ha in district Pulwama. Since our country is deficient in oil seed production and is importing about 60% of edible oil from other countries. Under such circumstances SKUAST- K is continuously working for increasing both oil seed production and oil content of that particular variety and released two varieties Shalimar Sarsoon-1(SS-1) and Shalimar Sarsoon (SS-2) with an average production of 14 q/ha in both of these varieties. This KVK popularized both of these varieties in more than 100 villages of this district through already designated mandate of FLD's in less than two years, indicating that remaining area under oil seed production will be covered in next two years. An increase of more than 15% was observed in the productivity in both of these varieties against previously released SKUAST-K variety of KS-101 with a yield potential of 12 q/ha.

Pollination Management: -

District Pulwama being an apple district, cultivating apple over an area of about 16000 ha with an annual production of about 180000 tons produced with an average productivity of about 11 tones/ha which is far low as compared to countries like china, USA, Russia etc. So, to overcome the issue of productivity number of causes have been ascertained and one among them is pollination management. To have a satisfactory pollination management particularly in apple, KVK organized number of programmes to address this grave concern. Mass level awareness is being disseminated among the farming community regarding the importance of pollination in their fruit orchards in order to enhance the productivity of that particular crop. To enhance the productivity of apple in case of new/ high density orchards emphasis is being given for plantation of pollinizers as per the SKUAST-K recommendation. However, in case of already established traditional orchards pollination management is being advised to achieve through the use of pollinizer bouquets, planting of new pollinizers, top working of pollinizer varieties, use of insect pollinators like keeping of beehives in their orchards during complete flowering period etc. Due these efforts about 45 percent of the orchardists are managing pollination in their orchards which resulted an increase of more than 10% in their productivity.

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

- The impact analysis was carried out on the adoption of different crop varieties issued under

Front Line demonstrations to the farmers in some villages of the district.

- Impact analysis was also ascertained on the adoption of no. of technologies demonstrated under different OFTs to the farmers in several villages of the district
- Impact of various training programmes on production technology as per the package of practices in the KVK operational area was conducted.

10.3 Details of impact analysis of KVK activities.

i) Popularisation of SKUAST-K released varieties and their impact on farmers' income.

SNo	Technology Interven-tion*		Yield (q/ha)			Economic Returns (Net) Rs/ha			Horizontal Spread
			Local	Impr-oved	% Inc.	Local	Impr-oved	% Inc.	
	Paddy	SR-4	60	83	38.33	50000	99000	98	Near about 8200ha is brought under cultivation of SR-4
1	Maize	SMC-4	30	55	83.33	40000	85000	112.5	The maize growing areas of the district Pulwama especially lower belts of Tral & around 1120ha is brought under cultivation of SMC-4 & SMC-3 and KG-2
2	Maize	SMC-3	30	55	83.33	50000	95000	90	
3	Maize	KG-2	31	52	67.74	35000	81000	131	
4	Rajmash	Shalimar Rajmash-1	8.25	11.25	36.60	46250	95010	105.4	Near about 130ha is brought under cultivation of Shalimar Rajmash-1.
5	Moong	Shalimar Moong-1	6.65	10.2	53.38	24400	76200	212	Near about 150 hectares is under this Variety.
6	Lentil	Shalimar Lentil-1	5	7.0	40	13900	37000	166.1	Approx. 40ha is under this variety
7	Brown Sarson	Shalimar Sarsoon-2	11.5	15.09	31.21	21350	52540	146.08	Near about 5000ha is under this variety
8	Pea	Shalimar Pea-1	8	12	50	14000	35,400	152.8	Approx.200ha is under this variety

NB: - (Improved SKUAST-K varieties under FLDs along with production technologies as per POP)

11.0 LINKAGES

11.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Agriculture Department	Need based Joint Farm Advisory Visits In-Service Trainings for field functionaries
State Horticulture Department	
Animal Husbandry Department	
Sheep Husbandry Department	
Sericulture Department	
ICDS,	Organize training program for Anganwari worker
Govt. Poultry Hatchery, Srinagar	Provides facility of Hatchery for Vanraja unit.
District Youth Co-ordinator, Nehru Yuva Kendra, Pulwama	KVK provides resource persons for delivering lectures on different aspects of farming
Khatoon welfare society Kaka Pora (NGO)	Imparting training on value addition
Shirkat (an NGO)	Framing of SHG's & imparting training to the self-help groups.

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/No

S. No.	Programme	Nature of linkage	Remarks
1	Framing of SREP and conduct of trainings for farmers and extension functionaries	As resource person for implementation SREP, organizing training programmes for farmers self-help groups and officers of line departments	This KVK will continue to assist the Line Departments for implementation of ATMA project

Coordination activities between KVK and ATMA during 2021-22

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

11.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	Integrated disease & pest management	Facilitating of resource person for delivering lectures on different aspects	-
2	Precise fertilizer management	-do	-

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)

Sl. No.	Demo Unit (Mention the name of Demo Unit)	Year of estt.	Area (ha)	Details of production			Amount (Rs.)		Remarks (Benef. No.)
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Mushroom	2002	0.0037	Button Muhroom	Mushroom	-	-	-	-
2	Apiculture		45 colonies	Apismelfera	Honey	159kg	20000/-	1,11,530/-	80 (Rs.700/kg)

12.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty(q)	Cost of inputs	Gross income	
Paddy	17-06-2022	25-09-2022	0.25	SR-4	seed	5.60			Sold @Rs 12.50kg
Wheat	20-10-2021	27-06-2022	0.01	SW-1,	Seed	4.1	-	341	1.90q sold @Rs18/kg and 30Kg in KVK store
Oats	20-10-2021	24-05-2022	0.5	Shalimar Fodder Oats-2	seed	1.25	-	-	KVK Store
Field Pea	28-10-2021	10-06-2022	0.1	Shalimar pea-1	Seed	1.50		-	Sold to DARS Budgam@ Rs.60/kg
Oil Seed	25-10-2021	10-05-2022	0.25	SS-2	Oil	1.45		8700	
Fruits									
Apple Orchard	Old plants	2022	-	Shireen, Akber, Firdous, Kolu delicious	Fruit			77000	Auction
Walnut	Old plants	2022	10(big Old Plants)	Seedling origin	Fruit (Nuts)	-	-		Auction

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

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

12.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Poultry	Vanraja	Vanraja	50Kg	-	14000/-	-
2	Diary	Jersy,HF	-	4800ltr		172800/-	-
3	Fisheries	Common carp	-	-	-	-	-

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: - Nil

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

12.7 Rainwater Harvesting: NIL

Training programmes conducted using Rainwater Harvesting Demonstration Unit

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

Demonstrations conducted using Rainwater Harvesting Demonstration Unit

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

Seed produced using Rainwater Harvesting Demonstration Unit:NIL

Name of the crop	Quantity of seed produced (q)

Plant materials produced using Rainwater Harvesting Demonstration Unit:_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	

FINANCIAL PERFORMANCE

13.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	-	-	-
With KVK	J&K Bank	Awantipora	0334010200000004

13.2 Utilization of KVK funds during the year 2022-23(April-March)

Name of KVK: Pulwama **(Amount in Rupees)**

S. No.	Budget Head	Revised Estimate				Expenditure			
		other than TSP, SCSP, NEH	TSP	SC SP	Total	other than TSP, SCSP, NEH	TSP	SC SP	Total
	Grants for creation of Capital Assets (CAPITAL)	-	-	-	-	-	-	-	-
1	Works	-	-	-	-	-	-	-	-
	(i) Office Building	-	-	-	-	-	-	-	-
	(ii) Residential Building	-	-	-	-	-	-	-	-
	(iii) Minor Works		-		-	0.20	-	-	0.20
2	Equipment	0.20	-		0.20		-	-	
3	Information Technology	-	-	-	-	-	-	-	-
4	Library Books and Journals	-	-	-	-	-	-	-	-
5	Vehicle & Vessels	-	-	-	-	-	-	-	-
6	Livestock	-	-	-	-	-	-	-	-
7	Furniture & fixtures		-		-		-	-	
8	Others	-	-	-	-	-	-	-	-
	Total - CAPITAL	**0.20**	**-**		**0.20**	**0.20**	**-**	**-**	**0.2**
9	**Pay & Allowances**	192.00	-				-	-	
	Total					**192.00**			**192.00**
	Grants in Aid – General								
10	Travelling Allowance (Domestic)	2.85	-		2.85	2.85	-	-	2.85
11	A. Research Expenses	3.50	-		3.50	3.50	-	-	3.50
12	B. Operational Expenses	3.65			3.65	3.65			3.65
13	C. Infrastructure (Rent, Electricity, Water charges, Veh running exp, insurance)	1.25	-		1.25	1.25			1.25
14	D. Communication (Postage and telephone)	0.20	-		0.20	0.20	-	-	0.20
15	E. Others (excludingTA)(Printing and stationery consumable, Advertising, Legal Professional charges)	1.50	-		1.50	1.50	-	-	1.50
16	F. Publicity & Exhibitions		-		-		-	-	
17	G. Guest House-Maintenance (recurring only)	-	-	-	-	-	-	-	-
18	H Other Miscellaneous	1.50			1.50	1.50			1.50
19	I**. Repair & Maintenance**	-	-	-		-	-	-	-
	(i) Equipment, Vehicle & Others	0.25	-			0.25	-	-	
	(ii) Office building	0.30	-			0.30	-	-	
	(iii) Residential building		-				-	-	
	Total Recurring Contingency	12.15				12.15			
	Grants in Aid- General (RC+TA)	15.00				15.00			
	Grand Total (Capital + Salary +General)	207.20			207.20	207.20			207.20

13.3 Status of revolving fund (Rs. in lakhs) during 2020-2023

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 2020 to March 2021	561079.46	456085.00	436550.00	580614.46
April 2021 to March 2022	580614.46	608174.00	416631.00	772157.46
April 2022 to March 2023	772157.46	1004684.0	1112277.0	664564.46

14. Details of HRD activities attended by KVK staff during 2022-22: 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)

SNo.	Name of the Event	Date	Event Summary
1.	**Kisan Mela under Kisan Bhagidari Prathmikta Hamari Campaign**	26th April, 2022	As part of Azadi Ka Amrit Mahotsav Krishi Vigyan Kendra Pulwama organised a day long Kisan Mela under Kisan Bhagidari Prathmikta Hamari Campaign on 26th of April, 2022 at Kendra campus. The event was inaugurated by DDC chairman Mr Abdul Bari who presided as chief guest of the function and graced by Chief Agricultural Officer Mr. Mohd. Iqbal Khan and District Sheep Husbandry officer Dr. Mohd.Ashraf Baba. Representatives from line Departments (Horticulture,Fisheries,Animal Husbandry,Agriculture, Sheep Husbandry and Saffron Research station Pampore) also participated and displayed their exhibits, tools technologies and schemes promoted by them for the benefit of the farmers. The main focus of the programme was natural farming, farm mechanization, best agriculture practices and emerging technologies.

SNo.	Name of the Event	Date	Event Summary
2	**World bee Day**	2nd May 2022	Inaugural ceremony of "Honey and Other Beehive Products Testing Laboratory" funded by National Bee Board under National Beekeeping and Honey Mission and "World Bee Day 2022" was celebrated on 20th May 2022 by SKUAST-Kashmir and KVK Pulwama at KVK Pulwama campus and in virtual mode with National Bee Board, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. Hon'ble Vice Chancellor SKUAST-K Prof. Nazir. A. Ganai, chaired the event. Worthy Inspector General, BSF Kashmir Frontier Shri Raja Babu Singh (IPS), was the guest of honour on the occasion. Worthy Director Research Prof. Sarfraz Ahmad Wani, Director Planning Prof. Haroon Naik, Dean FOH Prof. Shabir A Wani, Dean DSW Prof. M.A.A. Siddique, Associate Director Research Prof.Arshid Hussain Mughal, P. I. Honey Testing Lab Dr. Sajad A Ganie, Estates Officer, Er. Parveez Ahmad Bhat along with AEE Er. Naseer Ahmad Banday, Er. Owais Ahmed, DDC Member Shri Avatar Singh progressive/aspiring beekeepers and orchardists of the locality participated in the event.

SNo.	Name of the Event	Date	Event Summary
3	**10th National seminar and best KVK professional award**	26th-28th May 2022	KVK Pulwama received Best KVK Award- 2022 on the occasion of 10th National Seminar on " Agriculture and More Beyond 4.0" jointly organised by society for Community Mobilization for Sustainable Development (Mobilization) New Dehli and SKUAST-Kashmir in collaboration with SKUAST -Jammu, from 26- 28, 2022. Award was conferred by Shri Atal Dulloo, Financial Commissioner (Additional Chief Secretary),AP&FWD in presence of Prof.J.P.Sharma, Vice Chancellor, SKUAST-Jammu ,Prof. Nazir Ahmad Ganai, Vice Chancellor SKUAST-Kashmir and Shri Sachin Gupta, Chancellor, Sanskriti University, Mathura. Thanks to the society for Community Mobilization, IARI, New Dehli for recognizing the work of the kendra and selecting the kendra for the prestigious Award. Special thanks to the whole team of KVK Pulwama for their efforts and hard work.
4	**Nano day**	28th May2022	KVK Pulwama organised one day Farmers' Interaction Meet' on 28th May 2022 on the eve of inauguration of 'Worlds First Nano Urea (liquid) plant at the IFFCO Kalol Gujrat by Hon'ble Prime Minister of India'. The KVK scientists interacted with the farmers and explained them about the benefits of application of nano urea liquid as the product is environmentally friendly with higher nutrient use efficiency, and a sustainable solution for curtailing soil, water and air pollution thus making it a promising alternative to the conventional urea.

Event Name: Yoga day 2022
Date: 21 June 2022
Event Summary:

As part of Azadi ka Amrit Mahotsav, KVK Pulwama organised an event to commemorate Celebration of International Yoga Day themed yoga for humanity. Around 67 participants including KVK employees' students, FCLA & BAT apprentices and students from GDC Tral took part in the event. Awareness on Balanced Use of Fertilizers and Awareness on Region Specific Agroforestry was also imparted to the participants of the said programme.

Event Name:- Kissan Maha Sammellan
Dated: 29th June 2022

KVK Pulwama participated in 'Kissan Maha Sammellan' organised by Department of Agriculture,Kashmir held at SKICC on 29th June 2022.

Name of the Event
Date: 16th of July 2022
Event Summary:- 94th ICAR foundation day 2022

Indian council of Agriculture Research (ICAR), New Delhi celebrated its 94th foundation day on 16th of July 2022 both offline as well as through virtual mode werein all the KVK's of the country participated. Shri Narinder Singh Tomar, Minister for Agriculture and Farmers Welfare presided over the function as Chief Guest. The main theme of the programme was to encourage and appreciate the farmers for their wonderful achievements in different sectors of agriculture. On the occasion a manual of 75000 success stories regarding the doubling of farmers income along with other two manuals were released.

KVK Pulwama also participated in this programme wherein about 100farmers were invited including those whose success stories (DFI) have already been published in the success storey manual. District Development Council (DDC) chairman of district Pulwama, Mr. Syed Abdul

Bari attended the function as Chief Guest. Dr. Javeed Ahmed Mugloo, Prof. & Head, KVK Pulwama formally welcomed the Chief Guest and all the progressive farmers during the occasion. Chief guest interacted with the farmers and got highly satisfied with the feedback received from the farmers as the farmers acknowledged the role of KVK in their overall progress in the field of Agriculture. He further suggested to the scientists of the Kendra to disseminate the latest technologies among the farming community so that the farmers shall reap the maximum benefits out of their limited resources. He congratulated the Head of the station for the excellent work of the KVK in uplifting the socio-economic condition of the farming community.

Name of the Event: Celebration of the Independence Week (13th to 15th August) and Flag Hoisting ceremony on 76th Independence Day on 15th August 2022.

Theme:- Har Ghar Tiranga"

Event Summary:-

Under "Azadi ka Amrit Mahotsav" KVK Pulwama organised "Har Ghar Tiranga" campaign in the KVK vicinity to celebrate Independence Week (13th to 15th August).

Event Name:- 25th SAC

Date: 24th Aug 2022

Hon'ble Vice Chancellor SKUAST-K Prof. Nazir Ahmad Ganai chaired the 25th Scientific Advisory Committee Meeting of KVK Pulwama today on 24th Aug 2022 at Kendra Campus Malangpora. Worthy Director Extension SKUAST-K, Prof. Dil Mohammad Makhdoomi, was the guest of honour on the occasion. Representative from line Departments and progressive farmers of Pulwama attended the said meeting.

Prof. & Head, KVK Pulwama Dr. Javeed Ahmad Mugloo presented Annual Progress Report 2021-22

Event Name:- Seed distribution (under TSP)
Date: Ist and 2nd Aug 2022

Two day awareness cum seed distribution of vegetable Seeds for Rabi & Kharif seasons under TSP Programme was organized at Drubgam Gujjar basti Block Achgoza Tehsil Rajpora and Narishtan,Tral of District Pulwama by KVK Pulwama in collaboration with MRCFC Khudwani on Ist and 2nd August 2022. Worthy Director Extension Prof Dil Mohammad Makhdoomi graced the occasion and distributed different seed kit among the tribal farmers. Prof. and Head KVK,Dr. Javeed Ahmad Mugloo gave awareness to farmers about quality seed and its importance for high returns especially for hilly areas. The said programme was attended by the KVK scientists and a scientist from MCRFC Khudwani.

Event Name:- National Nutrition Week
Date:6th Sep2022

Awareness programme under National Nutrition Week 2022 under them "Celebrate a World of Flavors' was started yesterday on 6th Sep 2022.During the awareness programme the participants were sensitized about the importance of balanced diet and role of fruit and vegetables as protective food.

Event Name:-Celebration of Honey Extraction Day at Leh Ladakh
Date: (7th Sep 2022)

KVK/ETC, PULWAMA have introduced beekeeping first time in Leh Ladakh under NICRA Project entitled" Impact of climatic change on Honeybees and innovative strategies to conserve them for pollination services in temperate crops" and got felicitated by Hon'ble Vice Chancellor SKUAST-KASHMIR with an award of appreciation for successful introduction on the occasion of Ladakh Ist. Agri -Tech Expo conducted on 7th of September 2022.

Event Name:-Mega Kissan Mela at HMAARI Leh
Date: (24th Sep 2022)

A Mega Kisan Mela was organized today on 24th Sep 2022 at Kargil by Directorate of Extension, SKUAST Kashmir

under the Chairmanship of Alhaj Feroz Ahmad Khan Chief Executive Counselor LAHDC. KVK's of both UT's of Ladakh and Kashmir, line departments, Agri entrepreneurs, and progressive farmers show cause their exhibits / products, farm power machinery and latest agri and allied technologies. The mela was organized under the instructions of Hon'ble Vice Chancellor & mentorship of worthy director extension SKUAST- Kashmir. The mela was attended by all the Executive members of LAHDC, officers of line departments Associate Director's, All Programme coordinators of KVK's of Kashmir and Ladakh.

Event Name:- Poshan Abhiyan & Tree Plantation
Date: (17th Sep 2022)

KVK Pulwama organized Campaign on Poshan Abhiyan & Tree Plantation on 17th of September 2022 werein farmers and farm women were awared about nutrigarden and biofortified varieties along with the health benefits of nutricereals.

Event Name:- World Rabies Day 2022

Date:28th September 2022

KVK Pulwama celebrated I6th World Rabies Day themed" one health, Zero Death", highlighting connection of environment with both people and animals, today on 28th September 2022 at kendra campus werein students of Govt.Primary School Nai Basti, Malangpora participated, who were given first-hand information regarding the disease, its methods of prevention and control. Speaking on the occasion Dr.Malik Raies-ul-Islam highlighted the issue of wayward and faulty disposal of kitchen waste and offals from meat and chicken shops that has resulted in significant increase in dog population and subsequent incidence of dog bite cases as is evident from information published by GMC Srinagar. In order to achieve the goal of one health zero deaths he highlighted the need to adopt a holistic approach that is aimed at proper and scientific disposal of municipal waste, humane methods of control of dog population and working in a collaborative manner with all stakeholders.

Event Name:- Maize (SMC-4) harvesting day
Date: 7th Oct 2022

Maize (SMC-4) harvesting day celebrated at KVK Pulwama today on 07-10-2022.The staff members and field staff participated in the said programme.

Event Name:- Seed Distribution Programme
Date:10th Oct 2022

KVK Pulwama in collaboration with NSP- AICRP(IISS)ICAR (National Seed Project-All India Co-ordinated Research Project, Indian Institute of Seed Science) MAU conducted seed distribution programme at village Chandrigam Tral and Patalbagh Pampore of District Pulwama on 10th Oct 2022.Quality seed of high yielding varieties of Oilseed (Shalimar Sarsoon-2) and Fodder Oats(Shalimar Fodder Oats-1)was made available among farmers for cultivation covering an area of 05ha each at Chandrigam and 12ha under oilseed and 06ha under oats at Patlibagh in presence of Associate Director Research, Prof.Nasir Ah.Dar & Incharge NSP, Dr.Gowher Ali

Event Name:- PM Kissan Samman Sammelan

Dated: 17th Oct 2022

Prime Minister Shri Narendra Modi on 17th October 2022 inaugurated the two-day event "PM Kisan Samman Sammelan 2022" at Indian Agricultural Research Institute, New Delhi. On this occasion, Krishi Vigyan Kendra Pulwama virtually participated in the event along with more than 208 students and farmers.

During the event, Prime Minister

- Released the 12th instalment amount of Rs.16,000 crores under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) through Direct Benefit Transfer.
- Inaugurated 600 Pradan Mantri Kisan Samruddhi Kendras (PMKSK) under the Ministry of Chemicals & Fertilizers. Under the scheme, the fertilizer retail shops in the country will be

converted into PMKSK in a phased manner. PMKSK will cater to a wide variety of needs of the farmers and provide agri-inputs (fertilizers, seeds, implements); testing facilities for soil, seeds, fertilizers; generate awareness among farmers; provide information regarding various government schemes and ensure regular capacity building of retailers at block/ district level outlets.

- Launched Pradhan Mantri Bhartiya Jan Urvarak Pariyojana – One Nation One Fertilizer. Under the scheme, Prime Minister will launch Bharat Urea Bags, which will help companies market fertilizers under the single brand name "Bharat".
- Launched 'Indian Edge', an e-magazine on fertilizer.
- Inaugurate Agri Startup Conclave and Exhibition, to boost Startup ecosystem in agriculture.

Event Name:- Special Swachhta Campaign
Dated: 2nd -31st Oct 2022

Swachhta activities carried in KVK campus and surrounding vicinities.

Event Name:- Fruit Mela of South KVK'S
Dated: 25th of October

Fruit Mela was organised by South KVK'S today on 25th of October at Old fruit Mandi Adhama shopian. The Mela was attended by stakeholders viz Dept of Horticulture Shopian, Agriculture Dept Shopian Fertilizer and pesticides dealers of valley, industrialists, Agri-enterpruners etc. The Hon'ble Vice Chancellor SKUAST-K, Prof Nazir Ahmad Ganie graced the occasion as chief guest and Deputy Commissioner Shopian as guest of Honour. Other Officers of SKUAST-K including Worthy Director Extension Education, Prof Dil Mohammad Makhdoomi, Director Research Prof. S A Wani, Director planning Prof. H R Naik, Registrar Prof. T H Masoodi, and Dean's of various faculties. Besides Director General Horticulture, DDC Shopian and other officers were also present. Progressive farmers from various districts of South also participated in the Mela. During the Mela the stall of KVK Pulwama was adjudged as best stall.

Event Name:- Word Soil Day
Dated: 5th Dec2022

KVK/ETC Pulwama Malangpora celebrated Word Soil Day on 5th Dec2022.The theme of world soil day of this year was "Soils: where food begins". Hon'ble Vice Chancellor Prof.Nazir Ahmed Ganai was the chief guest on the occasion and D.D.C Chairman Mr.Syed Bari Andrabi was the Guest of Honour. On the said occasion all the dignitaries expressed their views and emphasized about the importance of soil health for sustainable agriculture.

Event Name:- Soil Health Management visa-vis soil health card implementation'
Dated: 24th Nov 2022

KVK/ETC Malangpora, Pulwama organised one day training programme on 'Soil Health Management visa-vis soil health card implementation' on 24th Nov 2022 for Agriculture/Horticulture Extension Functionaries. The focus of the programme was on Healthy soil for Healthy life.

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

Annexures

District Profile - I

1. General census of district Pulwama

a) Geographical area	:	1090 sq. kms.
b) Altitude	:	2000masl
c) Total No. of Tehsils	:	8
d) Total No. of blocks	:	11
e) Total No. of villages	:	336
f) No. of delimited panchayats	:	186
g) Hoseholds	:	0.86 lakh No.
h) Male population	:	293064
i) Female population	:	267376
j) Total population(2011 census)	:	5.60 lac

2. Agriculture and allied census

a) Reporting Area	:	60772 ha.
b) Under forests	:	320 ha.
c) Non-agricultural use	:	8387 ha.
d) Un cultivated land	:	2542 ha.
e) Permanent pasture & other grazing land	:	5953 ha.
f) Cultivated wasted land	:	3617 ha.
g) Area under miscellaneous Tree crops	:	1102 ha.
h) Fallow land other than Current fallow	:	158 ha.
i) Current fallows	:	6033 ha.
j) Net area sown	:	32660 ha.
k) Total cropped Area	:	55870 ha
l) Area sown more than once	:	23210 ha
m) Average holding size	:	0.48 ha.
n) Agricultural laborers	:	18197 Nos
o) Cultivators	:	50000 Nos
p) Major crop grown		
i) Fruit crops	:	Apple, Almond, Cherry, Walnut.
ii) Cereals	:	Paddy, Wheat, Maize
iii) Pulses	:	Rajmash, Moong, Pea
iv) Oilseeds	:	Mustard
v) Fodder	:	Oats, Maize, Barseem
vi) Vegetables	:	Tomato, Chillies, Capsicum etc.
vii) Other crops	:	Saffron

3. Agro-climatic zones : Sub-Humid Temperate
: High altitude

4. Agro-eco systems : AES-I Temperate low land zone
: AES-II Temperate mid land zone
: AES-III Temperate high altitude zone
: AES-IV Temperate upland zones

5. Major and micro farming systems : EFS-I Hort.-Agri-Dairy
: EFS-II Agri-Hort-Poultry-Dairy
: EFS-III Agri-Hort-Beekeeping
: EFS-IV Saffron-Hort.-Agri.
,

6. Major Production systems : Rice-Mustard
: Rice-Wheat
: Maize-Field Pea
: Pulses-Oats (Fodder)
: Oats-Moong/Rajmash

7. Major agriculture and allied enterprises: Poultry
: Dairy
: Beekeeping
: Veneer units
: Cricket bats
: Flour Mills

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

a) Agro-ecosystem analysis of the focus/target area

Name of the village	Focus area	Target area
Rajpora, Drubgam, Murrun,Tumbla , Tenghar,kaganhall,Lassipora,Saidporashiekhar etc.	Orchard Management	Integrated Disease Management Scientific training Pruning Use of pollinizers and pollinating insects Integrated nutrients managements
Puchhal, Ratnipora, Parigam, Lajura, Koil , Sambora,Malngpora,Renzipora,Wakerwan,Chakoura etc.	Poultry , dairyingand sheep farming	Profitable poultry/sheep farming Dairy farming on scientific lines Disease management in poultry ,sheep and dairy. Feed and fodder for poultry,sheep and dairy
Tral, Koil, Medora, Gulshanpora, Lrawjagir, Machhama,Nagbal,etc.	Bee keeping for pollination and honey production	Use of pollinating insects (Bees) in orchards for effective pollination Beekeeping as income generating venture
Tral, Charsu, Padgampora, Malangpora, Sunrigund, Awantipora etc.	Seed treatment campaign	Seed treatment for management of paddy blast disease Seed treatment for management of Chilli wilt disease
Pampore, Khrew, Ladoo, Lethpora,	Saffron cultivation	Management of corm rot disease

Bharsoo etc.	on scientific lines	Conservation of water for need based irrigation
Murran, Pinglana, Sunrigund, Begpora, Banagund, boogam, patlbaghetc.	Vegetable cultivation	Popularization of SKUAST-K released varieties and hybrid varieties, Seed production in vegetables and Nutrient management
Murrun, Wakerwan Ranzipora,Dadsara	Vermicomposting	Preparation of vermicompost on scientific guidelines Proper use of waste materials of kitchen as well as dairy sheds
Naristan,Satura,Khangund,Devar,Aripal, Panier,Tral, Padgampora etc	Cereal crop Paddy,Maize & Oilseed	Popularizationof SKUAST –K released varieties Integrated disease and pest management INM Management and SRI as well as intercropping Seed production/seed bank
Rajpora,Kakpora,Qoil,wakerwan, Malangpora	Value addition	Value addition in fruits and vegetables Pickle and tomato puree,Jam juice and jelly making

b) Survey method used
Survey was carried out by Questionnaire during conduct of Off campus training programmes, field days, awareness camps and other activities of the KVK.

c) Various techniques used :Transect walk around the villages

d) Analysis and conclusions:-

e) List of location specific problems and brief description of frequency and severity of problem

5		6	7
Location specific problem	Intensity/severity	Matrix ranking	Specific thrust area
Fruit drop Poor fruit set Disease problem Less use of pollinizers Improper training and pruning Improper nutrient management	Severe Mild Mild Severe Mild Mild	I II III I III III	Orchard management
Poor yield in saffron Crom rot problem Irrigation problem	Severe Mild Sever	I III I	Saffron cultivation on scientific guidelines,
Paddy blast disease Chilli wilt disease	Mild Mild	III III	Seed treatment campaign
Disease management in poultry disease , sheep and	Mild	III	Management of disease

dairy Imbalanced feed	Mild	III	
Least knowledge of proper waste management of kitchen and from other sources waste	Sever	I	Waste management on scientific lines
Fruits and vegetables spoilage Lack of knowledge about health, hygiene &nutritios diet	Sever Sever	I I	Value addition in fruits and vegetables

f) Matrix ranking of problems

g) List of location specific thrust areas

h) List of location specific technology need for OFT and FLD

i) For OFT's

8	9	10
Location specific technology needs	Matrix ranking of technology	Location specific training needs
Management of stem canker/root rot in apple	II	Integrated disease management
Management of corm rot disease in saffron	II	Trainings on disease management
Management of mustard aphid	III	-do-
Nutrient management in Apple, Rice, and Saffron	II	Integrated nutrient management trainings
Trainings for rural women in rural crafts	II	Trainings on crewel embroidery, stitching and tailoring
Pickle/Jam making /puree making	III	Value addition in fruits and vegetables
Pest management in apple & saffron	II	INP management
Waste management	II	Training on waste management

i) Matrix ranking of technologies

j)List of location specific training needs

Technology Inventory and Activity Chart - III

i.Names of research institutes, research stations etc.

a. Mountain Research Center for Field Crops Station Khudwani, SKUAST-K
b. Ambri Apple Research Center, Balpora, SKUAST-K
c. Central Institute of Temperate Horticulture, Srinagar, ICAR
d. Nehru Yuva Kendra, Pulwama
e. Institute for medicinal Plants, Banura Pulwama
f. Sirket NGO pulwama

II. Inventory of Latest technology available:

S.No	Technology	Crop/nterprise	Year of Release	Source of Technology	Reference / citation
1.	Shalimar Rice-1 Shalimar Rice-2] Shalimar Rice-3]>lower belt Shalimar Rice-4] Kosher----------> Higher belt K332 Shalimar Rice-5	Paddy ---------- >	2005 2012 2017	SKUAST-K ---------- ->	
2	KS- 101,Shalimar,Gulchin Shalimar sarsoon - 1,Shalimar sarsoon-2 and Shalimar sarsoon -3	Brown sarson	2016	-do-	
3	C7,C4,C15,KG1,KG2	Maize	2016	-do-	
4	Shalimar Wheat-1	Wheat	2005	-do-	
5	Shalimar Fodder oats-1	Sabzar	-	-do-	
	VEGETABLES				
6.	Shalimar Carrot-1	Carrot	2006	-do-	
7	Tomato Hybrid 1 &3	Tomato	2009	-do-	
8	Shalimar capcicum Hybrid 1 & 5	Capcicum	2009	-do-	
9	Sunheri, Firdous, Shireen, Akbar, Lalambri	Apple	-	-do-	
10	Almond varieties Makhdoom&Waris	Almond	1999	-do-	
11	Disease management in chillies	Chilli	2002	-do-	
12	Protected nursery for seedling raising	Paddy	2002	-do-	
13	Management of corm rot disease in saffron	Saffron	2002	-do-	
14	Vermicomposting	Waste management	2018	Do	

III. Activity Chart

Crop/ Animal/ Enterprise	Problem	Cause	Solution	Activity	Reference of technology
Paddy	i.Low productivity ii. Blast Disease iii.Early season cold damage to nursery beds	Old varieties and imbalanced fertilizer management Seedling mortality in unweather condition during nursery raising period	Introduction of Shalimar Rice-1, Shalimar Rice-2 Shalimar Rice-3 Shalimar Rice-4 and recommended dose of fertilizer along with protected nursery	FLD's on Shalimar Rice -1, Shalimar Rice-2 Shalimar Rice-3 Shalimar Rice-4 OFT	1 12
Brown sarson	Low production and productivity	Old varieties, Sulphur deficiency	Popularization of Shalimar sarson 1 Shalimar sarson -2 Shalimar sarson -3 and use of Zinc Sulphate	FLD's and OFT's	2
Chillies	Chilli wilt	Disease prevalence	Seed treatment and seedling dip along with transplanting on raised beds	OFT	11
Saffron	Corm rot disease	Disease incidence	Disease management through corm treatment	OFT	13
Almond	Early spring cold damage to flowers	Early spring cold	Use of late bloomer like Makhdoom&Waris Insect management	OFT and FLD	10
Apple	Poor colour, low fruit set Canker disease	Imbalance use of INM Pollination problem ,improper training & pruning and disease management	Proper use of INM, Accurate ratio of pollinizers pruning & training on scientific lines	OFT	10
Vegetables	Low production with poor quality	Old varieties	Introduction and popularization of SKUAST released vegetable varieties	FLD	6,7,8
Vermi-composting	Least knowledge of waste management	Old traditional method	By introducing decomposing agent	FLD	3
Livestock	Foot rot, low milk yield	Management & lack of nutritious feed		OFT	1,2

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

A. Detailed account on varietal/breed characters for each of the variety/breed selected for FLD

Crop	variety	Characters
Paddy	SR-2,SR-3,SR-4	Fit for low altitude areas Yield 7-8t/ha. Blast resistant and Days to maturity135-140
-do-	K-333,SR-5	Fit for high altitude areas Yield 4.6-5.5 t/ha. Blast resistant Days to maturity135-140
Maize	C7	Fit for high altitude areas Yield 55-65 q/ha. Flint shaped Days to maturity105-110
Oil seed	Shalimar sarson-1 Shalimar sarson-2	Low altitude/high altitude High oil content Yield 16-17q/ha. Days to maturity 215-140
Oats	Shalimar oat-1	For irrigated & rainfed areas High/low altitude areas Yield 500 q/ha.
Peas	Shalimar Pea-1 PB-89	Field pea Low high-altitude area 13-15.31 q/ha. and mature 210-215 days
-do-	Arkel	Vegetable pea Low high-altitude area 110q/ha

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

i) Nutrient application:- Soil application through band placement & broad casting
ii) Pesticides & fungicide application:-Soil application as well as foliar sprays

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

Paddy

SR- 2,SR-3 SR-4 for low altitude area
SR-5 ,K333 for high altitude area

Maize

C7 for high altitude area
C4 for low altitude area

Oil seed & Pulses

Shalimar sarson-1 &Shalimar sarson-2 for low/high altitude area
Rajmash& Pea for both low &high altitude areas
a) Detailed account on varietal/breed characters for each of the variety/breed selected for OFT
b) Details of technologies that may include formulation, quantity, time, methods of application of nutrients, pesticides, fungicides etc., for technologies selected under OFTs
c) Details of location/area specificity of recommended technology viz., for each of the variety/breed/technology selected for OFT.

Annexure-I

Krishi Vigyan Kendra/ Extension Training Centre
Pulwama, Malangpora 192308 J&K
Phone: 01933-286952Fax: 01933-286952http/www.kvkmalangpora.com Email: pcpulwama@gmail.com

Subject: Proceedings/Minutes of 25th Scientific Advisory Committee (SAC) Meeting (2022).

Krishi Vigyan Kendra (KVK) Pulwama conducted 25th Scientific Advisory Committee (SAC) meeting on Wednesday, 24th of August, 2022 at Malangpora, Pulwama. The meeting was held under the chairmanship of Hon'ble Vice Chancellor SKUAST-K, Prof. Nazir Ahmad Ganai. Guest of honour, Prof. Dil Mohammad Makhdoomi, Director Extension SKUAST-K and officers from different developmental departments were also present on the occasion. The meeting was attended by progressive farmers of the district, students and all the staff members of the Kendra including scientific, ministerial and field staff. Suggestions from all the stakeholders and directions from Hon'ble Vice Chancellor and director Extension have been meticulously noted and minutes of meeting thereof are as under.

- Hon'ble Vice Chancellor desired and put forth the challenge that KVK Pulwama should become model KVK in technology demonstration and dissemination to the farming community and emphasized for switching the KVK farm into a smart farm.
- Hon'ble Vice Chancellor stressed upon that demonstration units of HD orchards should be fully automated in terms of irrigation, fertigation etc. to reduce the laborer cost and make irrigation and fertigation more efficient.
- Hon'ble Vice Chancellor insisted upon the developmental departments for having a meeting at least once in a month with KVK scientists to discuss different issues the farmers are facing in their respective fields so that an ideal solution may be ascertained or otherwise same be forwarded to the concerned divisions as a researchable item.
- Hon'ble Vice Chancellor highlighted the importance of making a progressive school of progressive farmers at village level in order to make use of it as reinforcement at the time of any emergency and shall act as counselors for those farmers who are yet at their infancy.
- In order to harvest maximum benefits from the available marginal landholding, Hon'ble Vice Chancellor stressed upon the KVK scientists for the demonstration, dissemination and popularization of crop diversification and crop intensification among the farming community of the district.
- Hon'ble Vice Chancellor further stressed upon that an inventory of all progressive farmers of the district should be prepared and should always be available with the KVK for any kind of reference in future.
- Director extension instructed for the formation of farmer producer organization (FPO) in consultation with university.
- Day old vanraja chicks shall be distributed under FLD programme for popularization among the farming community instead of adult chicks to make the programme more economical. Director Extension

- Director extension emphasized for dissemination of awareness regarding preventive measures against Bovine Lumpy Skin Disease and Brucellosis prevalent among the cattle and sheep respectively.
- Chief Agriculture Officer desired to include capacity building programmes for field staff particularly for field assistants and lower staff in order to enhance the outreach of the department for the benefit of the farming community.
- CAO, Pulwama also desired for capacity building programmes regarding cold storing of different vegetables.
- Representative from horticulture department desired to have training programmes on physiological disorders in different fruits viz bitter pit, russetting, water core in apple etc. which deteriorate the quality of fruits particularly in storage.
- Representative from animal husbandry department suggested for collaborative and collective trainings of farmers wherein farmers shall be acquainted with the awareness regarding different subsidy-based schemes along with the scientific technical knowhow.
- Representative from sheep husbandry department put forth his desire for formation of farmers producer organization (FPO) in sheep in collaboration with KVK so that farmers may be benefited financially as well technically. He further emphasized on complete eradication of foot rot disease among the cattle as it causes huge losses to cattle rearing farmers and advocated for development of vaccine for the same.
- Representative from sericulture department expressed his desire for conducting of training/awareness programmes regarding raising of mulberry nursery and carrying out of collaborative awareness programme for popularization of scientific silkworm rearing among the unemployed youth as an alternative for earning their livelihood with sustainable BC ratio.

Head
KVK/ETC Pulwama

Training Annexure:

Date	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
April 2022									
8th April 2022	PF/FW	Horticulture	Nutrient Management	Nutrient management in ultra-high-density orchards	01	Konibal	14	0	14
12th April 2022	PF/FW	Floriculture	Lawn management	Lawn making and its management	01	On campus	07	03	10
20th-22nd April 2022	PF/FW	Olericulture	Production Mgt.	Integrated Nutrient Management in cole crops	03	Jangalnad	15	0	15
25th April 2022	PF/FW	Olericulture	Production Mgt.	Popularization & Demonstration programme regarding newly released vegetable varieties of SKUAST-K	01	Sundrigund	15	0	15
27th April 2022	PF/FW	FST/Home Science	Design & dev. of Nutritious diet	Green leafy vegetables and its importance in our daily diet	01	Oncampus	0	34	34
20th April 2022	PF/FW	Agro-forestry	Production Mgt.	Growing male poplar trees for profitable income generation.	01	Chakoura	15	0	15
			Total				66	23	89
22nd April 2022	EP	FST/Home Science		Food Processing & preservation	01	On campus	18	8	26

Date	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
May 2022									
15th May 2022	PF/FW	Crop production	Nursery Management	Improved package & practices for cultivation of kharif cereal crops & their disease /pest Management	01	Patalbagh	15	10	25
8th May 2022	PF/FW	Horticulture	Nutrient Management	Importance of time, placement, and balanced application of fertilizers in Horticulture Crops	01	On campus	14	0	14
9th May 2022	PF/FW	Olericulture	Production Mgt.	Awareness programme for adopting natural farming of vegetables	01	On campus	15	0	15
20th May 2022	PF/FW	Agro-forestry	Management strategies	Management of poplar cotton menace.	01	Panzgam	16	0	16
			Total				60	0	60
27th May 2022	RY	FST/Home Science	Value addition	Importance of fruits & veg. in our daily diet	01	Oncampus	19	15	34
17th -19th	RY	Olericulture	Production Management	Disorder Management in important vegetable crops	03	Oncampus	08	07	15
			Total				27	22	49

Date	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
June 2022									
14th& 15th June 2022	PF/FW	Agroforestry	Sustainable production	Role of Agroforestry trees in sustainable agriculture.	02	Pulwama / chakoura	17	4	21
10th June 2022	PF/FW	Crop Production	Weed Management	Awareness programme on weed management to mitigate biotic stress in maize & rice	01	Khrew Malangpora	10	02	12
9th June 2022	PF/FW	Plant protection	IPM	Awareness about use of non-chemical methods in vegetable pest Management.	01	Malangpora	15	0	15
20th June 2022	PF/FW	Plant protection	IPM	Management of varroa destructor in bee colonies	01	Malangpora	15	0	15
4th June 2022	PF/FW	Soil science	Macro & Micro-nutrient Management	Foliar application of nutrients in improving fruit quality and shelf life in apple	01	Lajoora	5	0	5

17th June 2022	PF/FW	Soil science	Use of organic	Green initiatives for a green way of life	01	Muran	7	0	7
1st June 2022	PF/FW	Live stock Production	Production management	Preparation of balanced ration for livestock		On campus	21	0	21
			Total				90	06	96
27th June 2022	/Vocational	FST/Home Science	Value addition	Importance of fruits & veg. in our daily diet	10	Oncampus	0	30	30

Date	**Clientele**	**Discipline**	**Thematic area**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of other participants**		
							M	**F**	**T**
July 2022									
20th-22th July 2022	PF/FW	Horticulture	Plant propagation	Propagation by Budding and its importance in fruit production	03	On campus	14	0	14
13th July 2022	PF/FW	Floriculture	Post-harvest Management	Management of different flowering bulbs during storage on scientific guidelines	01	Pulwama	15	0	15
7th July 2022	PF/FW	Plant protection	IPM	Management of apple diseases under extreme weather conditions	01	Rajpora	22	0	22
14th July 2022	PF/FW	Plant protection	IPM	Impact of climatic change on insect pests surveillance and	01	Lajpora	15	0	15
15th July 2022	PF/FW	Live stock Production	Production management	Vermicompost Prod. tech	01	Jangalnar	5	0	5
			Total				**71**	**0**	**71**
19th & 21st July 2022	RY	Agroforestry	Sustainable production	Role of Agroforestry trees in sustainable agriculture.	02	Batpora, Khanda	26	0	26
7th-8th July 2022	EF	FST/Home Science	Value addition	Scientific drying and dehydration of vegetables	02	On campus	21	0	21

Date	**Clientele**	**Discipline**	**Thematic area**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of other participants**		
							M	**F**	**T**
Aug2022									
9th – 11th Aug 2022	PF/FW	Horticulture	Quality improvement	Techniques to improve fruit color in apple	03	Puchal	16	0	16
2nd – 4th Aug 2022	PF/FW	Olericulture	Vegetable Production Mgt.	Awareness programme for precision farming under vegetables and organic farming	03	Larbal , kakapora	15	0	15
9th – 11th Aug 2022	PF/FW	Olericulture	Production Management	Training programme of natural cultivation of vegetable	03	Warsoo	15	0	15

12th – 4th Aug 2022	PF/FW	Olericulture	Cultivation of exotic vegetables	Popularization & demonstration of exotic vegetables	03	Malangpora	15	0	15
16- 18th Aug 2022	PF/FW	Olericulture	Production Mgt.	Pollination Management in cucurbits	03	Shaltaknoo	15	0	15
16th Aug 2022	PF/FW	Floriculture	Pot plant Management	Scientific Management of pot/ house plants	01	oncampus	11	04	15
17th – 18th Aug 2022	PF/FW	Agroforestry	Sustainable production	Negative impacts of deforestation on sustainable	02	Puchal	16	0	16
10th Aug 2022	PF/FW	FST/PHT/ Home Science	Value addition	Utilization of cauliflower leaves for value added products	01	Malangpora	8	10	18
8th Aug Aug 2022	PF/FW	FST/PHT/ Home Science	Post-harvest Management	Maturity indices of Apple	01	Lajoora	12	7	19
25th Aug 2022	PF/FW	FST/PHT/ Home Science	Value addition	Scientific drying and dehydration of vegetables	01	Malangpora	11	6	17
			Total				134	27	161

Date	**Clientele**	**Discipline**	**Thematic area**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of other participants**		
							M	**F**	**T**
21st -23rd Aug 2022	RY	Olericulture	Nutrient management	Role of Micronutrient in vegetable production	03	Oncampus	11	4	15
25th- 27th Aug 2022	RY	Olericulture	Seed Production	Seed production of important vegetable crops	03	Oncampus	12	03	15
22nd Aug 2022	RY	FST/PHT/ Home Science	Food adulteration	Role of food safety on human health	01	Oncampus	11	5	16
27th Aug 2022	RY	FST/PHT/ Home Science	Value addition	Processing and Preservation of Tomato	01	Oncampus	15	7	22
26th Aug 2022	RY	FST/PHT/ Home Science	Value addition	Product development (Gulkand)	01	Oncampus	16	10	26
			Total	05			65	29	94
29th Aug 2022	Sponsored Programmes	Mushroom researc and training centre Division of Plant Pathology, Shalim	Mushroom cultivation	Mushroom cultivation		Oncampus	17	8	25

Date	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
Sep2022									
9th – 11th Sep 2022	PF/FW	Livestock Production	Disease Management	Awareness programme on Sheep scabies and its control	03	Batpora	10	0	10
28th Sep 2022	PF/FW	Livestock Production	World rabies day	Awareness programme on rabies for school children	01	Oncampus	25	0	25
2nd & 9th Sep 2022	PF/FW	Livestock Production	Disease Management	Awareness programmed on economically important diseases (Mastitis, Repeat	02	Jangalnar, Batpora, Banderpora	135	0	135
13th Sep 2022	PF/FW	Livestock Production	Fodder Management	Preservation of fodder through hay and silage making	01	Mugalpora	15	0	15
14th Sep 2022	PF/FW	Plant Protection	IPM	Integrated Management of white grub in High Density orchards	01	Parigam	15	0	15
20th Sep 2022	PF/FW	Plant Protection	IPM	Integrated Management of sucking insect pests of apple and other fruit crops	03	Noorpora	12	0	12
23rd Sep 2022	PF/FW	Plant Protection	IPM	Seasonal Management of honeybee colonies under temperate conditions	01	Kamalbuchoo Tral	10	0	10
5th Sep 2022	PF/FW	FST/PHT/ Home Science	Post-harvest Management	Maturity indices of Apple	01	Pulwama	10	0	10
2nd Sep 2022	PF/FW	FST/PHT/ Home Science	Packaging	Grading and packaging of apple	01	Lajoora	11	0	11
10th Sep 2022	PF/FW	FST/PHT/ Home Science	Walnut Harvesting	Walnut dehulling on Scientific basis	01	Pulwama	3	21	24
			Total	10			246	21	267
12th Sep 2022	RY	FST/PHT/ Home Science	Flower Packaging	Packaging of flowers on scientific guidelines.		Pulwama	14	4	18
29th Sep 2022	EP	Fruit Science	Orchard Management	Nursery to harvest: improved practices in managing fruit crops		Oncampus	13	0	13

Date	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
Nov2022									
16th-18th Nov 2022	PF/FW	Olericulture	Production Mgt.	Protected cultivation of vegetable crops	03	oncampus	15	0	15
21st-23rd Nov 2022	PF/FW	Olericulture	Diversification of vegetable crops	Nutritional security through crop diversification	03	offcampus	15	0	15
28th-30th Nov 2022	PF/FW	Olericulture	Production Management	Integrated Nutrient mgmt in cole crops	03	Off campus	18	0	18

17th Nov 2022	PF/FW	Agroforestry	Livelihood upliftment	Scope of Agroforestry systems for doubling farmers income.	01	Shaltaknoo	11	0	11
24th Nov 2022	PF/FW	Livestock Production	Disease Management	Awareness programme on Management of foot rot in sheep	01	oncampus	25	0	25
8th Nov 2022	PF/FW	Soil Health & Fertility	Organic inputs	Vermi - compost production	01	Jangalnar	15	3	18
Ist Nov 2022	PF/FW	Crop Production	Integrated crop production	Improved agronomic practices for Rabi pulses &oilseed (Lentil, Pea & Brown sarsoon)		Qoil, Sunrigund	25	4	29
21st Nov 2022	PF/FW	Fruit Production	Training & Pruning	Scientific training & Prunning of apple orchards	01	HarigamTral	24	8	32
21st Nov 2022	RY	FST/PHT/ Home	Value addition	Post harvest handling of fruits & vegetables	01	Tral	0	08	08
14th -18th Oct 2022	RY	Fruit Science	Orchard Management	Pruning techniques in high density apple orchards	05	Gulabagh tral	14	0	14
11th Nov 2022	RY	Fruit Science	Orchard Management	Demonstration of scientific training& pruning of stone fruits	01	Oncampus	14	8	22
14th Nov 2022	RY	Fruit Science	Orchard Management	One day awareness prog. on training& pruning techniques of apple orchards	01	Tral	32	10	42
24th Nov 2022	EP	Soil Health & Fertility	Soil Mgmt.	Soil Health Mgmt.Visa vis Soil Health card	01	oncampus	40	5	45
30th Nov 2022	EP	FST/PHT/ Home	Packaging technology	Food Packaging and its hazardous	01	oncampus	15	0	15
16th Nov 2022	Sponsored training Programme (Dept. Of Horticulture.)	Fruit Science	Orchard Management	Scientific training& pruning of apple orchards	01	Naibugh	40	0	40
17th Nov 2022	Sponsored training Programme	Agriculture Extension	Weather advisories.	Role of user friendly agro-advisory applications for	01	oncampus	60	8	68
Ist to 8th Nov2022	STRY training programme (Under MSME scheme)	Beekeeping	Apiary Mgmt.	Scientific techniques for the management of apiary aiming entrepreneurship	01	Subtribal Tral belt	21	4	25

Date Dec 2022	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
5th Dec 2022	PF/FW	Horticulture Fruit Science	Training & Pruning	Scientific training & Prunning of apple orchards	01	Kharpora	22	0	22
14th Dec 2022	PF/FW	Horticulture Fruit Science	Orchard mgmt	Scientific Canopy management of apple	01	Shiekhpora	18	0	18
Ist Dec 2022	PF/FW	Livestock Production	Disease Management	Awareness programme on reducing the early chick mortality in poultry	01	Soinaar Tral	20	16	36
27th Dec 2022	PF/FW	Plant protection	IPM	Saffron cultivation and Management of corm rot in saffron.	01	oncampus	10	5	15
28th Dec 2022	PF/FW	Plant protection	IPM	Insect pest and diseases in sericulture and their management	01	oncampus	15	5	20
17th Dec 2022	PF/FW	Plant protection	IPM	Post-harvest Management of insect	01	oncampus	15	6	21
28th Dec 2022	PF/FW	Plant protection	Beekeeping	Technological intervention in modern	01	oncampus	15	5	20
Ist Dec 2022	PF/FW	Crop Production	Integrated crop production	Crop rotation practices for enriching soil fertility	01	Renzipora	10	3	13
8th Dec 2022	PF/FW	Crop Production	Integrated crop	Mono cropping to Integrated farming for	01	Talangam	18	2	20
15th Dec 2022	PF/FW	Olericulture	Organic farming	Natural farming of vegetables	01	oncampus	15	0	15
2nd Dec 2022	RY	Livestock Production	Disease Management	Management of infectious diseases in	01	Nargistan	15	24	39
1st Dec 2022	RY	Livestock Production	Disease Management	Demonstration on silage making	01	Deedarpora Tral	18	10	28
Ist – 3rd Dec 2022	EF	Agroforestry	Livelihood upliftment	Forest Nursery management techniques	03	Oncampus	9	0	9
Ist Dec 2022	Sponsored awareness programme under National Mission on Himalyan Studies (NMHS) project and Division of environmental sciences			Awareness cum seed distribution programme (garden pea, oats ,poultry units and silage units)	01	Soinaar Deedarpora and Nargistan Tral	35	10	45

Date Jan2023	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
21st Jan 2023	PF/FW	Livestock Production	Feed Mgmt	Management of feed of Sheep during winters	01	oncampus	25	1	26
24th Jan 2023	PF/FW	Livestock Production	Feed Mgmt	Importance of balanced feeding in livestock	01	oncampus	20	0	20
23rd Jan 2023	RY	Livestock Production	Diary Mgmt	Vaccination schedule of small ruminants	01	oncampus	20	10	30
16th Jan 2023	RY	FST/PHT/ Home	Nutrition	Nutritional awareness to prevent anemia	01	oncampus	0	15	15

25th Jan 2023	RY	FST/PHT/ Home Science	Storage loss minimizatio n	Processing and preservation of fruits and vegetables	01	oncampus	0	20	20
21st-22nd Jan 2023	EP	Plant protection	IPM	Mgmt of porcupine in apple and almond orchards	01	oncampus	10	0	10
20th-21st Jan 2023	EP	Plant protection	IPM	Common insect pests of Paddy, vegetables & mustard and their	01	oncampus	10	0	10
20th-26th Jan2023	STRY	Livestock Production	Sheep management	Sustainable sheep farming for livelihood generation	07	oncampus	27	1	28
18th to 24th Jan 2023	STRY	FST/PHT/ Home Science	Vale addition	Processing & Value addition of fruits and vegetables for entrepreneurship	07	oncampus	0	28	28

Date Feb 2023	**Clientele**	**Discipline**	**Thematic area**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of other participants**		
							M	**F**	**T**
23rd Feb 2023	PF/FW	Livestock Production	Feed Mgmt	Scientific preservation of fodder for livestock feeding	01	Oncampus	20	0	20
13th -15th Feb 2023	PF/FW	Horticulture Production	Propagation under polyhouse	Propagation techniques in walnut	01	oncampus	21	0	21
7th – 9th Feb 2023	RY	Crop Production	Prod.Mgmt.	Crop rotation practices for enriching soil fertility	01	oncampus	15	0	15
5th -20th Feb 2023	Vocational/ STRY	Soil Health Mgmt	Organic inputs	Income generation through vermiculture & vermicomposting	01	Renzipora, Qoil,Murra n	10	0	10
20th – 22nd Feb 2023	Vocational	Horticulture Production	Plant Propagation	Propagation of quality planting material	03	Oncampus	17	0	17
6th -8th Feb 2023	EP	Livestock production	Diary Mgmt.	Management of repeat breeding in Diary animals	01	Oncampus	30	2	32
6th Feb 2023	EP	Livestock production	Diary mgmt	Orientation on Diary development in JK	01	oncampus	140	18	158
8th Feb 2023	EP	Livestock production	Sheep mgmt	Enhancing sheep production in JK	01	oncampus	30	2	32
10th Feb 2023	EP	Livestock production	Poultry mgmt	Orientation on poultry development in Jk	01	oncampus	150	2	152
13th Feb 2023	EP	Livestock production	Sheep mgmt	Training on promotion of wool/pelt	01	oncampus	30	2	32
15th Feb 2023	EP	Livestock production	Fish prod.	Orientation on fish production	01	oncampus	36	10	48
	EP	Olericulture		Promotion of Niche	01	oncampus	41	5	46
17th Feb 2023	EP	Livestock production	Crop production	Fodder Resources	01	oncampus	200	20	220
20th Feb 2023	EP	Capacity development		Human Res. Development	01	oncampus	60	0	60

Date March 2023	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
17th March	PF/FW	Capacity building	Capacity building	Formulation of FPOs	01	Oncampus	15	17	32
20th March	PF/FW	Livestock production		Poultry farming	01	Oncampus	20	13	33
13th March 2023	PF/FW	Horticulture Production	Orchard Management	Layout of orchards both traditional and HDP	01	oncampus	22	0	22
20th- 21st March 2023	PF/FW	Horticulture Production	Pollination Management	Pollination management in temperate fruit crops	02	oncampus	14	0	14
13th – 14th March 2023	PF/FW	Plant Protection	Pollination management	Importance of pollinators especially honeybees for pollination Awareness about conservation of pollinators through ecological engineering	02	oncampus	10	0	10
17th – 18th March	PF/FW	Plant Protection	IPM	Importance of Dormant oil sprays in insect pest	02	Padgampora	15	0	15
20th March 2023	PF/FW	Plant Protection	Pollination Management	Importance of pollinators especially honeybees for pollination	01	oncampus	10	0	10
13th, 15th ,20th March 2023	PF/FW	Olericulture	Production mgt.	Training programme of Natural Farming of vegetable	03	Wasoura Gangoo,tahab	15	0	15
18th,20th March 2023	PF/FW	Olericulture	Vegetable Production Mgt.	Production of early season vegetable seedling in nurseries under protected conditions	02	Gangoo	15	0	15
13th March 2023	PF/FW	Agroforestry	Livelihood upliftment	Enhancing farm income through boundary plantation	01	Wakherwan	15	0	15
8th March 2023	PF/FW	Agroforestry	Nursery Propagation	Nursery raising techniques of medicinal plants	01	oncampus	20	0	20
9th March 2023	PF/FW	Agroforestry	Nursery Propagation	Nursery raising techniques of spices	01	oncampus	17	0	17
13th ,23rd March 2023	RY	Olericulture	Production mgt	Raising of healthy vegetable nurseries under protected structures	02	Tahab	10	0	10
23rd March 2023	RY	Livestock production	Poultry Management	Scope of opportunities in Poultry sector in J&K		oncampus	16	12	28
23rd-24th March 2023	RY	Plant Protection	Mushroom cultivation	Mushroom cultivation	02	Malangpora	10	0	10

Date Dec 2022	Clientele	Discipline	Thematic area	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of other participants		
							M	F	T
22nd-24th March 2023	EF	Livestock production	Disease Management	Management of infectious diseases in sheep	03	oncampus	25	3	28
22nd- 24th March 2023	EF	Plant Protection	IPM	Insect pest complex of vegetables & their Management	03	oncampus	12	0	12
6th March 2023	EF	Plant Protection	Beekeeping	Technological interventions to make beekeeping as commercial enterprise in Pulwama	01	oncampus	10	0	10
13th March 2023	EF	Plant Protection	IDM	IDM of Paddy under Kashmir conditions.	01	oncampus	10	0	10
2nd March 2023	EF	Plant Protection	Mushroom Prod	Button mushroom	01	oncampus	10	0	10
13h March 2023	EF	Soil Health	Water Management	Importance & scope of water harvesting	01	oncampus	10	0	10
8th March 2023	EF	Crop Production	ICM	Importance of cereal legume intercropping for increasing crop intensity, fertility build-up & raising farmer income	01	oncampus	10	0	10
Sponsored Training Programme									
15th- 20th March 2023	RY	Agroforestry (JK Science Tech. and Innovation	Prod. and Mgmt Tech.	Cultivation of Medicinal and aromatic plants	07	On campus	11	11	22
District Level orientation programme for implementation of Holistic Development of Agriculture and allied sector.									
01.03.23	EP	Capacity development		Agricultural Marketing	01	oncampus	90	6	96
03.03.23	EP	Floriculture		Medicinal and A. Plants	01	oncampus	52	3	55
06.03.23	EP	Bee Keeping		Bee Keeping	01	oncampus	30	1	31
08.03.23	EP	Sericulture		Sericulture	01	oncampus	60	2	62
10.03.23	EP	FST/PHT/ Home Science		Millets & Nutri-Cereals	01	oncampus	57	3	60
13.03.23	EP	Agriculture Engineering		Farm Mechanization	01	oncampus	40	7	47
15.03.23	EP	Mushroom Cultivation		Mushroom Cultivation	01	oncampus	39	3	42
17.03.23	EP	Crop Production		Promotion Of Oil	01	oncampus	40	4	44
20.03.23	EP	Crop Production		Formulation Of	01	oncampus	35	2	37
22.03.23	EP	Crop Production		Integrated Farming	01	oncampus	99	14	113
24.03.23	EP	Floriculture		Commercial	01	oncampus	43	5	48

27.03.23	EP	Crop Production		Rainfed Area Development	01	oncampus	98	9	107
29.03.23	EP	Crop Production		Alternate Agriculture System	01	oncampus	47	3	50
31.03.23	EP	Crop Production		Sensor Based Smart agriculture	01	oncampus	72	6	78
				Total			802	68	870