ANNUAL REPORT 2021-22 (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 31st Mar 2022)

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.Raies-ul-islam	39	Animal science	24-05-2013	-do-	9596911001	-do-
3	SMS	Dr. Gazanfar Gani	42	Floriculture	15-05-2010	-do-	9596899665	-do-
4	SMS	Dr. S. Shujat	47	Soil Sc.	06-01-2010	Adhoc	7780923349	-do-
5	SMS	Dr. Towseef Ahmad Wani	36	FST	10-8-2020	Perma-nent	6006221741	-do-
6	SMS	Dr. Shahnawaz A. Dar	42	Ento.	10-8-2020	-do-	9906758967	-do-
7	SMS	Dr. Imtiyaz Ahmad Zargar	48	FST	28-6-2022	-do-	9419060090	-do-
7	Farm Manager	Dr.Gowhar Nabi Parray	44	Forestry	01-09-2009	-do-	9597060052	-do-
8	Programme Assistant	Mr.Aijaz Ahmad Sheikh	59	Agriculture	01-08-2011	-do-	9682574280	-do-
9	Computer Programmer	Mrs. Sumera Shafi	40	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	0.92
3.	Demonstration Units (Hort., Medicinal plants)	1.14
4.	Demonstration Units (Diary, Poultry, Fish Pond, Vermicompost)	0.50
5.	Nursery Block	0. 50
6.	Barren & waste 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	ICAR	--	120	--	--	--	Functional
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	108131	Good condition
Motor cycle	March 2011	48,245.0	35900	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 2021

S. No.	Date	Name and Designation of Participants	No. of absentees	Salient Recommendations	Action taken
1	15th July 2021	**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 2021 to March 2022

Month	Rainfall (mm)	Temperature ^{0} C (Maximum)	Temperature ^{0} C (Minimum)	Relative Humidity (%)
April 2021	6.44	18.88	5.31	61.78
May2021	24.51	24.51	9.40	67.25
June2021	0.71	29.44	13.41	56.28
July 2021	7.04	29.99	17.67	63.49
August 2021	1.92	30.35	15.06	61.75
September 2021	4.59	29.53	13.81	65.51
October 2021	3.78	21.45	6.38	78.32
November 2021	0.1	14.37	-0.79	77.79
December 2021	0.99	9.78	-2.49	76.88
January 2022	4.47	6.20	-1.01	83.65
Febuaruary 2022	5.41	10.06	-1.06	72.96
March 2022	1.34	19.91	5.06	61.56

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 enterprises*	*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 2020-21

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
17	13	51	43	178	178	287	287

3. A.1 FLDs Conducted under CFLDs on Oilseed

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

3. A.2 FLDs Conducted under CFLDs on Pulses

FLD (Pulses)			
Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement
125	125	118	118

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	86	51		1025	-	622	-	7950
Rural youth	31	25		362				
Extn. Functionaries	25	7		136				

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
11.15	11.15	-	29387

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.	Prod. & Mgmt Tech.	Apple	Low seed germination rate	Influence of stratification on seed germination of Apple	-	02	**01**	-	**4**	2	-	-	-	-
2	INM.	Almond	Poor fruit set and yield	Effect of foliar micro-nutrient spray on fruit set and productivity of almond	-	03	-	-	-	-	-	-	-	2kg Znso4 2kg Boric acid
3	Varietal evalvation	onion	Short shelf life	Assessment of onion cv. Brown Spainsh for long shelf life	-	03	-	-	03	-	-	-	-	-
4	Varietal evalvation	Broccoli	Unawarernes about exiotic vegetables	Introduction & evaluation of Brocoli hybrids for Kharif & Rabi season under Kashmir conditions	-	05	-	-	05		5000			
5	INM	Saffron	Low yield	Evaluation of different doses of vermicompost application along with NPK and their effect on growth & yield of saffron	-	-	-	-	-	-	-	-	-	-
6	Disease Mgmt.	Livestock	Mastitis in dairy animals	Post milking teat dipping for management of mastitis in dairy animals	-	-	-	-	-		-	-	-	-
7	Production & Mgmt. tech.	Chilli	Poor quality	Effect of pretreatments on drying of chillies	-	-	-	-	-		-	-	-	-

Contd.

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	Production & Mgmt. technology	Fodder	Fodder shortage /loss of soil moisture	Yield & nutritional quality of fodder grass in Horti-Pastural systems	-	-	-	-	-		-	-	-	-
10	IPM	Cole crops	Insect pests	Management of aphids in Cole crops	-	-	-	-	-	-	-	-	-	-
11	IPM	Apiary	Diseases & Pests	Management of Honeybees from diseases & pests	-	-	-	-	-	-	-	-	-	-
12	Production & Mgmt. tech.	Apiary	Packing of Honeybee colonies	Seasonal management of bee colonies	-	-	-	-	-	-	-	-	-	-
13	IDM	Tomato	Blight infestation	Management of early blight disease on tomato	-	-	-	-	-	-	-	-	-	-

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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	Vegetables	Fruits	Apiary	Fodder Crop	TOTAL
Varietal Evaluation		-	-	-	2	-	-	-	2
Protecteed cultivation	-	-	-	-	-	-	-	-	-
Plant Propogation Tech.							-		-
Layout & mgmt. of orchards	-	-	-	-	-	-	-	-	-
Prod. & Mgmt. tech	-	-	-	-		2	1	1	4
Nursery Mgmt.	-	-	-	-	-				
Integrated Crop Management	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	1	-	-	-	-	1
IFS	-	-	-	-	-	-	-	-	-
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	5	3	2	1	12

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							
Value Addition	-	-	-	-		-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-		-	-	-
TOTAL	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	Nursery mgmt.	Apple	Influence of stratification on seed germination of Apple	03	03	Sambppra,Malangpora and Wakherwan	0.005
2	Integrated Nutrient Management	Almond	Effect of foliar micro-nutrient spray on fruit set and productivity of almond	03	03	Newa,Wasoura,Qoil	0.25

SNO	Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers	Location Name	Area in ha
3	Integrated Nutrient Management	Saffron	Evaluation of different doses of vermicompost application along with NPK and their effect on growth & yield of saffron	05	05	Awantipora,Barso,Chandhara,Patalbagh,khrew	0.125
4	Varietal Evaluation	Onion	Assessment of onion cv. Brown Spainsh for long shelf life	05	05	Malangpora,Renzipora, Padgampora,Chakoura, Arigam	0.05
5	Varietal Evaluation	Brocoli	Introduction & evaluation of Brocoli hybrids for Kharif & Rabi season under Kashmir conditions	05	05	Arihal,Patalbagh,Kangan	0.3
6	Production and management technology	Fodder	Yield & nutritional quality of fodder grass in Horti-Pastural systems.	03	03	Malangpora,Tral,Rajpora	0.05
7	Prod & management technology	Chilli	Scientific drying of Chilies	02	02	Patalbagh,Shaltaknoo	0.05
8	Storage Technologies	Fruits and veg.	Effect of Zero energy cool chamber for storage of fresh fruits & veg.	01	01	Malangpora	-
9	IPM	Cole crops	Management of aphids in Cole crops	03	03	Patalbagh,Sambora, Malangpora	.025
10	IPM	Apiary	Management of Honeybees from diseases & pests	03	03	Dalipora,Wakerwan, Lajora	10 colonies
11	Management Tech.	Apiary	Seasonal management of bee colonies	03	03	Dalipora,Wakerwan, Lajora	3 colonies
12	IDM	Tomato	Management of early blight disease on tomato	04	04	Zahidbagh-Litter,Patalbagh, Malangpora	0.075
	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	Cattle	Post milking teat dipping for management of mastitis in dairy animals	03	03	Pathan,Khrew, Shajimarg
Feed and fodder	-	-	-	-	
Small scale income generating enterprises	-	-	-	-	
		Total	03	03	

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 (Ongoing and Not conducted):-

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	No. of trials	Technology Assessed	Prod. per unit	Net Return Rs. / unit	CB Ratio
1.	Lilium	Use of under size planting material (Bulbs)	Cultivation of Lilium on scientific guidelines	03	T1: FP –12-14 cm bulb size T2: 14-16 cm bulb size T3:16-18 cm bulb size	Not conducted		
2	Almond	Mite infestation	Monitoring and management of mite pests of almond	03	T1= Farmers practice T2= 2 sprays 1-Summer spray 0.75ml/l (Early)	Not conducted		
3	Value addition of rice	Poor nutritional quality of conventi-onnal supplementary foods	Rice based complementary food formulation	03	T1:- FP-Storage at ambient temperature T2- Storage in zero energy cool chamber	Not conducted		
4	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		
5	Cole crops	Insect pests	Management of aphids in Cole crops	03	T1=FP(Nil) T2 = Quinalphos 25Ec @ 1ml/L T3 = Spray Neem Oil @ 5ml/L	Ongoing		
6	Apiary	Diseases & Pests	Management of Honeybees from diseases & pests	03	T1:-Farmers Practice T2:- Sulphur @ 01g/colony/season & Formic acid (5%)	Ongoing		
7	Apiary	Packing of Honeybee colonies	Management of bee colonies	03	T1:- Paddy Straw T2:-Paddy Straw + Thermocol	Ongoing		
8	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 2ndspray: -Zn(2000 ppm)after harvest	Ongoing		
9	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		
10	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 crops in between apple trees	Ongoing		
11	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	Ongoing		
12	Onion	Short shelf life	Assessment of onion cv. Brown Spainsh for lon shelf life	03	T1:FP:-Yellow Globe T2:-Brown Spainsh	Ongoing		

On Farm Trials (Concluded):-

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology Assessed	Prod. per unit	Net Return Rs. / unit	CB Ratio
1.	Apple	Low germination	Influence of stratification on seed germination of Apple	T1: - FP-No stratification (% germination) T2: Stratification of seeds for 60 days	45% 80%	4,80,000 9,48,500	1:2.36 1:4.70
2	Broccoli.	Not cultivating exotic vegetables	Introduction & evaluation of Brocoli hybrids for Kharif & Rabi season in Kashmir.	T1: Fiesta	145q/ha	507500	1:3.9
				T2: Tesla	134 q/ha	441590	1:3.4
				T3:-Titanic	138 q/ha	454710	1:3.5
3	Saffron	Low yield Low oil content	Evaluation of different doses of vermicompost application along with NPK and their effect on growth & yield of saffron	T1: Farmer Practice T2: RDF+ 5t/ha T3: RDF+10t/ha	2.63 kg/ha	4,00,000	1:3.18
					3.21 kg/ha	5,12,000	1:3.79
					3.23 kg/ha	5,06,000	1:3.61
4	Chilli	Pretreatments before drying	Scientific drying of Chillies	T1:- Farmers practice unhygienic drying T2:- 0.5% citric acid dip for 20 minutes	- -	7,03,120 10,20,450	45.13%increase in the income of farmer was Recorded against his traditional practice.
5	Tomato	Early blight	Management of early blight disease on tomato	T1: **FP:-** Spray of any fungicide after appearance of disease. T2: Spray mancozeb 75WP @ 0.3%, Hexaconazole 5EC @ 0.05% and Captan 50 WP @ 0.3 % at 10-15 days after appearance of disease.	Thus, based on two years data in different locations of district Pulwama and comparison with Farmers practice, it can be concluded that use of recommended fungicides at different stages were effective in controlling early blight disease of Tomato.		

B. Results of Technologies Assessed

(a) Concluded On Farm Trials: -

OFT 1:- Influence of stratification on seed germination of Apple

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
Apple	Integrated	Low germination	Influence of stratification on seed germination of Apple	03	*T1:*Farmers practice: No stratification *T2:* Stratification of seeds for 60 days in sand	Percent germination	T1= 45% T2= 80%	The seed germination was enhanced by 45% in T2 as against T1 wherein no seed stratification was done	The growers were very much satisfied with the technology since it increased the yield and also quality of produce

(b)

Technology assessed	Source of Technology	Production (t/ha)	Net Return (Profit) in Rs./ha	BC Ratio
*T1:*Farmers practice: No stratification	SKUAST-K	45% germination	4,80,000	1:2.36
T2: Stratification of seeds for 60 days in sand		80% germination	9,48,500	1:4.70

(c) Details of On Farm Trial for assessment

1.	Title of Technology Assessed	Influence of stratification on seed germination of Apple
2.	Problem definition	Low germination
3	Detail of technologies selected for assessment	*T1:*Farmers practice: No stratification *T2:* Stratification of seeds for 60 days in sand
4	Source of technology	SKUAST-K
5	Production system & thematic area	Plant propagation
6	Performance of the technology with performance indicators	Very good results were obtained with excellent seed germination percentage
7	Feedback, matrix scoring of various technology parameters done through farmer's participation /other scoring techniques	
8	Final recommendation for micro level situation	Stratification of the seed must be done for atleast 60 days before going for seed sowing in the well prepared nursery seed beds
9	Constrains identified & feedback for research	The nursery growers these days find it very difficult to get good quality seed for raising of seedlings and even if they are able to get it, the season at that stage is very late, which almost makes it difficult for them to go for stratification.
10	Process of farmer's participation & their reaction	In the form of field days, farmer-scientist interaction and field diagnostic visits

OFT2:- Scientific Drying Of Chilli

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
Chilli	Integrated	Quality loss	Scientific drying of chilli	03	T1:Farmers practice:unhygienic drying T2: 0.5% citric acid dip for 20 minutes	Moisture Vitamin C	T1= 13.47% T2= 10.19% T1= 32.03mg/100g T2= 40.22mg/100 g	The quality parameters moisture and vitamin C was good in T2 as against T1 in both assessments.	The growers were very much satisfied with the technology since it increased the price and also quality of produce.

Technology assessed	Source of Technology	Production (t/ha)	Net Return (Profit) in Rs./ha	BC Ratio
T1: Farmers practice: Unhygienic drying T2: 0.5% Citric acid dip for 20 minutes	SKUAST-K	-	7,03,120 13,33,940	89%increase in the income of farmer was Recorded against his traditional practice.

Details of On Farm Trial for assessment

1.	Title of Technology Assessed	Scientific drying of chilli
2.	Problem definition	Quality loss
3	Detail of technologies selected for assessment	*T1:*Farmers practice: unhygienic drying *T2:* 0.5% citric acid dip for 20 minutes
4	Source of technology	SKUAST-K
5	Production system & thematic area	Quality loss
6	Performance of the technology with performance indicators	Very good results were obtained with increase in vitamin C and decrease in moisture content.
7	Feedback, matrix scoring of various technology parameters done through farmer's participation /other scoring techniques	
8	Final recommendation for micro level situation	Application of 0.5% citric acid dip for 20 minutes before drying of chilli, preferably in tunnel drying.
9	Constrains identified & feedback for research	As per the SKUAST-K developed technologies of drying of vegetables, farmers are not able to dry chillies in cabnet dryers so they can go through tunnel drying of chillies with pretreatments
10	Process of farmer's participation & their reaction	In the form of kisanghoshti, farmer interaction and field diagnostic visits

OFT3:- Management of Early blight disease of Tomato

Crop/ enter priser	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
Tomato	Irrigated	Early blight	Management of Early blight disease of Tomato	3	T1= FP:- Spray of any fungicide after appearance of disease. T2= RP:- Spray Mancozeb75WP @0.3%, Hexaconazole 5EC @ 0.05% and Captan 50WP @0.3% at 10- 15 days after appearance of disease.	% incidence & % intensity	37.60 & 15.33 % (FP) and 15.33 & 5.60% (RP)	Mean disease incidence and intensity of 15.33 and 5.60% were recorded in recommended practice as compared to 37.60 and 15.33% in farmers practice during 2020 and 2021.	Farmers were satisfied with the results and have adopted the practice

Technology assessed	Source of technology	Production (t/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
T1:Spray of any fungicide after appearance of disease. T2:Spray Mancozeb75WP @0.3%, Hexaconazole5EC @ 0.05% and Captan50WP @0.3% at 10- 15 days after appearance of disease.	SKUAST-K	Thus, based on two years data in different locations of district Pulwama and comparison with Farmers practice, it can be concluded that use of recommended fungicides at different stages were effective in controlling Early blight disease of Tomato.		

Details of On Farm Trial for assessment

1.	Title of Technology Assessed	Management of Early blight disease of Tomato
2.	Problem definition	Early blight
3	Detail of technologies selected for assessment	Mentioned above
4	Source of technology	SKUAST-K
5	Production system & thematic area	IDM
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	use of recommended fungicides at different stages were effective in controlling Early blight disease of Tomato.
9	Constrains identified & feedback for research	-
10	Process of farmer's participation & their reaction	-

OFT4:- Evaluation of different doses of vermicompost application along with NPK and their effect on growth & yield of saffron

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
Saffron	Rainfed	Low yield Poor corn growth	Evaluation of different doses of vermi-compost application along with NPK and their effect on growth & yield of saffron	05	T1: Farmer Practice T2: RDF+ 5t / ha T3: RDF+10 t/ha	Growth of corms and Yield	Avg. corm size 10-15gms	The yield was increased by 22.05% over the farmer practice and at par with the refinement treatement.	Application of the inbalanced dose of the fertilizer and no use of vermicompost and farm yard manure by which yield as well as the corm growth was decreased

Technology assessed	Source of Technology	Production(kg/ha)	Net Return (Profit) in Rs. /ha	BC Ratio
T1: Farmer Practice		2.63	4,00,000	3.18:1
T2: RDF+ 5t / ha	SKUAST-K	3.21	5,12,000	3.79:1
T3: RDF+10t/ha		3.23	5,06,000	3.61:1

Details of On Farm Trial for assessmen

1.	Title of Technology Assessed	Evaluation of different doses of vermicompost application along with NPK and their effect on growth & yield of saffron
2.	Problem definition	Low yield,,Poor corn growth
3	Detail of technologies selected for assessment	Mentioned above
4	Source of technology	
5	Production system & thematic area	INM
6	Performance of the technology with performance indicators	T2: RDF+ 5t / ha
7	Feedback, matrix scoring of various technology parameters done through farmer's participation /other scoring techniques	-
8	Final recommendation for micro level situation	T2:RDF+ 5t / ha
9	Constrains identified & feedback for research	Untimely availability of fertilizers and organic mannures
10	Process of farmer's participation & their reaction	Satisfactory

OFT 5:- Introduction & evaluation of Brocoli hybrids for Kharif & Rabi season in Kashmir.

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
1	2	3	4	5	6	7	8	9	10
Broccoloi	Irrigated	Not cultivating exotic vegetables	Introduction & evaluation of Brocoli hybrids for Kharif & Rabi season in Kashmir.	03	T1: Fiesta	Yield	145q/ha	The overall performance of all the 3 varieties performed well in pulwama conditions at different locations out of three varieties Fiesta performed best 145q/ha in both the seasons Rabi as well as kharif which was closely followed by Titanic hybrid 138q/ha and Tesla 143q/ha	In kharif season incase of temperature increases above normal there is chance of bolting incase of late transplantated crop
					T2: Tesla		134q/ha		
					T3:-Titanic		138q/ha		

Technology assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, litre/animal, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14	15	16
T1: Fiesta	SKUAST-K	145	q/ha	507500	3.9:1
T2:- Tesla		134		469000	3.8:1
T3:- Titanic		138		483000	3.8:1

Details of On Farm Trial for assessment

1.	Title of Technology Assessed	Introduction & evaluation of Brocoli hybrids for Kharif & Rabi season in Kashmir
2.	Problem definition	Not cultivating exotic vegetables
3	Detail of technologies selected for assessment	Mentioned above
4	Source of technology	SKUAST-K
5	Production system & thematic area	Exotic vegetable cultivation
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	-
10	Process of farmer's participation & their reaction	-

4. FRONTLINE DEMONSTRATION

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil (Kg/Acre)			Previous crop grown
									N	P	K	
1	Oilseeds	- Irrigated	Rabi 2020-21-	Brown sarsoon	Shalimar Sarsoon-2	-	Crop production	Popularization of SKUAST-K released varieties	64	12.88	56	Rice
2	Pulses	Rainfed-	Kharif 2021	Rajmash	Shalimar Rajmash-1	-	Crop production	Popularization of SKUAST-K released varieties	48	12	40	Field pea
		Rainfed	Kharif 2021	Moong	P-672	-	do	do	48	12	40	Do
3		Rainfed	Rabi 2020-21	Pea	HFP-715	-	do	do	115	28	75	Rajmash +Maize
4		Rainfed	Rabi 2020-21	Lentil	IPL-316		do	do	102	22	98	Moong
3	Cereals	Irrigated	Kharief 2021	Rice	SR-4, SR-5	-	Crop production	Popularization of SKUAST-K released varieties	46.4	14.8	35.6	Oil seeds
		Rainfed	Kharief 2021	Maize	SMC-8, SMC-4, MH-1	-	Crop production	Popularization of SKUAST-K released varieties	42	13.6	59	Oats
4	Vegetables	Irrigated	Rabi (20-21)	Pea	PB-89		Crop production	Popularization of SKUAST-K released varieties	45.3	12.5	53.5	Potato
5	Spices and condiments	Irrigated	Kharief 2021	Chilli	Kashmir long-1		Crop production	Popularization of SKUAST-K released varieties	50.4	14	48	Garlic and Onion
6	Poultry	-	-	Poultry-	Keystone golden	-	Poultry farming	Popularization of Keystone golden as layer type backyard poultry breed	-	-	-	-

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil (Kg/Acre)			Previous crop grown
									N	P	K	
1	Oilseeds	Rainfed	Rabi (20-21)	Brown sarsoon	Shalimar Sarsoon-2	-	Crop production	Popularization of SKUAST-K released varieties	64	12.88	56	Rice
2	Pulses	Rainfed	Kharief 2021	Rajmash	Shalimar Rajmash-1		Crop production	Popularization of SKUAST-K released	48	12	40	Field pea

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	
								varieties				
	Pulses	Rainfed	Kharief 2021	Moong	P-672	-	Crop production	Popularization of SKUAST-K released varieties	48	12	40	Field pea
		Rainfed	Rabi 2020-21	Lentil	IPL-316	-	Crop production	Popularization of SKUAST-K released varieties				Rajmash
3	Cereals	Irrigated	Kharief 2021	Rice	SR-4,SR-5	-	Crop production	Popularization of SKUAST-K released varieties	46.4	14.8	35.6	Oil seeds
		Rainfed	Kharief 2021	Maize	SMC-8, SMC-4 , MH-1	-	Crop production	Popularization of SKUAST-K released varieties	42	13.6	59	Oats
4	Vegetables	Irrigated	Rabi (20-21)	Pea	PB-89		Crop production	Popularization of SKUAST-K released varieties	45.3	12.5	53.5	Potato
5	Spices and condiments	Irrigated	Kharief 2021	Chilli	Kashmir long-1		Crop production	Popularization of SKUAST-K released varieties	50.4	14	48	Garlic and Onion

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	15.5	16.25	11.95	35.98	43,700	1,02,000	58,300	2.72:1	31800	64,500	32,700	1.63:1
Pulses																			
Pea		Prakash	-	Rainfed	63/84	12.5	5.49	5.32	5.41	4.35	24.37	43,240	75,740	32,500	1.75:1	43,200	60,900	17.700	1.41:1
Rajmash		Shalimar Rajmash-1	-	Rainfed	50/51	10	12.3	11.5	11.9	8.05	47.82	68200	166600	98400	2.44:1	51,500	96600	45100	1.86:1
Moong		P-672	-	Rainfed	50/50	10	11	9	10	6.3	58.73	35200	112200	77000	2.4:1	30000	63,000	33000	2.1:1
Lentil		IPL-316		Rainfed	25/17	05	11	8	10	6.75	48.14	65,000	116500	51500	1.9:1	57,000	91,830	34,830	1.6:1

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										
Cereals			-	-															
Rice		SR-4	-	Irrigated	25/59	05	55	70	78	58	34.48	90000	184000	94000	2.04:1	90000	140000	50000	1.5:1
		SR-5	-	Irrigated	15/17	3.0	54	50	52	42	23.80	70000	114000	44000	1.6:1	60000	85000	25000	1.4:1
Maize		SMC-8	-	Rainfed	15/40	3	57	49	53	35	51.42	70000	160000	90000	2.28:1	60000	105000	45000	1.75:1
Maize	SKUAST-K released varieties & POP	SMC-4	-	Rainfed	33/59	7.0	60	50	55	30	83.33	70000	165000	95000	2.35:1	60000	110000	50000	1.8:1
Maize		SMH-1	-	Rainfed	25/30	5.0	55	50	52	35	48.57	72000	182000	110000	2.5:1	60000	105000	45000	1.75:1
Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables Pea(0.05ha/1 FLD)	Popularization of Variety	PB-89		Irrigated	06/06	0.30	165	157	161	110	46.36	120750	483000	362250	4.0:1	110000	330000	220000	3.0:1
Spices and condiments																			
Chilli(0.05ha /1FLD)		Kashmir long-1		Irrigated	05/05	0.25	147	138	142.5	112	27.23	121125	484500	363375	4.0:1	121125	380800	259675	3.0:1
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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										
Dairy					ltrs/day,Egg production/year/q/batch												
Cattle (1kg MM per beneficiary)	Mineral mixture		20	-	11.0	9.0	10.0	8.5	17.64	4200	9000	4800	2.14:1	4000	7650	3650	1..9:1
1.87	Keystone		40	-	260	200	230	72	219	6500	15520	9020	2.38:1	3500	6560	3060	1.87:1
Vermiculture (1kg worms + 4*8 PVC bag/fld)	Vermiculture		24	-	10	8	9	7	28.57	5000	15000	10000	3.0:1	1500	3000	1500	2.0:1

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***

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

Sl.No.	*Activity*	*No. of activities organised*	*Number of participants*	*Remarks*
1	Field days	04	114	Field days play an important role in technology dissemination.
2	Farmers Training	12	97	Good response from farmers.
3	Media coverage	-	-	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										
Crop Diversification										
Integrated Nutrient Management	1	25	8	33	0	0	0	25	8	33
Total	**1**	**25**	**8**	**33**	**0**	**0**	**0**	**25**	**8**	**33**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	15	0	15				15	0	15
Off-season vegetables/crop diversification	1	15	0	15				15	0	15
Cultivation of Exotic vegetables	1	15	0	15				15	0	15
Production Mgmt.	1	14	6	20				14	6	20
Total	**4**	**59**	**6**	**65**				**59**	**6**	**65**
b) Fruits										
Cultivation of Fruit	1	16	0	16				16	0	16
Grading & Packing	1	7	0	7				7	0	7
Total	**2**	**23**	**0**	**23**				**23**	**0**	**23**
c) Ornamental Plants										
Management of potted plants	1	8	5	13				8	5	13
Lawn Making	1	10	0	10				10	0	10
d) Medicinal and Aromatic Plants										
Nursery management										
Production & mgmt technology	1	15	0	15				15	0	15
Post harvest technology and value addition										
Total	**3**	**33**	**5**	**38**				**33**	**5**	**38**
Grand total(a-g)	**9**	**115**	**11**	**126**				**115**	**11**	**126**
III Soil Health and Fertility Management										
Soil and Water Testing	2	25	5	30				25	5	30
Total	**2**	**25**	**5**	**30**				**25**	**5**	**30**

IV Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Waste management	2	38	6	44				38	6	44
Poultry management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Total	2	38	6	44	-	-	-	38	6	44
V. Home Science/Women empowerment										
PHT/Value addition	2	0	61	61				0	61	61
Women and child care	1	0	33	33				0	33	33
Total	**3**	**0**	**94**	**94**				**0**	**94**	**94**
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection										
Integrated Pest Management	2	65	0	65				65	0	65
Total	**2**	**65**	**0**	**65**				**65**	**0**	**65**
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	2	33	0	33				33	0	33
Integrated Farming System	1	19	0	19				19	0	19
Climate Chnge	1	18	0	18				18	0	18
TOTAL	**4**	**70**	**0**	**70**				**70**	**0**	**70**
Grand Total	**21**	**300**	**118**	**483**				**300**	**118**	**483**

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										
Production Management	3	160	25	185	4	0	4	164	25	189
Total	**3**	**160**	**25**	**185**	**4**	**0**	**4**	**164**	**25**	**189**
II Horticulture										
a) Vegetable Crops										
Exotic vegetable cultivation/Crop Diversification	1	16	-	16	-	-	-	16	0	16

Protective cultivation (Green Houses, Shade Net etc.)	2	29	0	29				29	0	29
Total(a)	**3**	**45**	**0**	**45**	**-**	**-**	**-**	**45**	**0**	**45**
b) Fruits										
Training and Pruning	1	23	0	23	-	-	-	23	0	23
Grafting & Budding	2	30	0	30	-	-	-	30	0	30
Layout and Management of Orchards	2	30	0	30	-	-	-	30	0	30
Cultivation of Fruit	1	14	0	14	-	-	-	14	0	14
Nutrient Management	2	41	0	41				41	0	41
Plant propagation techniques	1	18	0	18	-	-	-	18	0	18
JalShakti Abhiyan	1	20	0	20				20	0	20
Total(b)	**10**	**176**	**0**	**176**				**176**	**0**	**176**
c) Ornamental Plants										
Nursery Management	1	4	0	3	-	-	-	4	0	3
Management of potted plants	2	12	7	19	-	-	-	12	7	19
LandScaping	1	16	0	16				16	0	16
d) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	01	13	-	13	-	-	-	13	-	13
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Total(a-d)	**18**	**266**	**7**	**272**				**266**	**7**	**272**
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 organic inputs	1	21	0	21				21	0	21
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	6	0	6	-	-	-	6	0	6
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Total	**1**	**6**	**0**	**6**	**-**	**-**	**-**	**6**	**0**	**6**
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	1	0	11	11				0	11	11

nutrient efficiency diet										
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
PHT/Value addition	03	0	26	26	0	-	-	0	26	26
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	01	0	19	19				0	19	19
Total	**05**	**0**	**56**	**56**				**0**	**56**	**56**
VI Agril. Engineering										
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	01	12	-	12	-	-	-	12	-	12
Integrated Disease Management	01	15	-	15	-	-	-	15	-	15
Mushroom Cultivation	-	-	-	-	-	-	-	-	-	-
Pollination Management	01	15		15				15		15
Total	**03**	**42**	**-**	**42**				**42**	**-**	**42**
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	3	59	0	59	-	-	-	59	0	59
Climate Change										
Integrated Farming Systems										
TOTAL	3	59	0	59	-	-	-	59	0	59
GTotal	37	629	88	716	4	0	4	633	88	720
(B) RURAL YOUTH										
Mushroom Production	02	30	0	30	-	-	-	30	0	30
Lawn Making	01	11	0	11				11	0	11
Propogation of ornamental plants	01	20	0	20				20	0	20
Prod. Magmt. Of Vegetables	01	15	0	15				15	0	15
Prod. Magmt. Of Floriculture	01	11	0	11				11	0	11
Prod. &Mgmt Tech. in agroforestry/ Nursery Mgmt	02	25	0	25				25	0	25
Nursery Management of	01	21	0	21				21	0	21

Horticultural crops										
Protected cultivation of ornamental plants/Bulb Production	02	19	4	23				19	4	23
Orchard Mgmt.	01	10	0	10				10	0	10
Vermi-culture	01	0	4	4				0	4	4
Training and pruning of orchards	2	43	0	43				43	0	43
Design & Development of High Nutrient Effiecient Diet	1	0	13	13				0	13	13
Tailoring and Stitching	1	0	10	10				0	10	10
PHT/Value addition	3	0	40	40				0	40	40
Pollution control	1	14	0	14				14	0	14
Diary Management	1	7	9	16				7	9	16
Beekeeping	1	26	0	26				26	0	26
Soil Conservation	01	20	0	20				20	0	20
Soil & water pollution	01	10	0	10				10	0	10
Total	**25**	**282**	**80**	**362**				**282**	**80**	**362**
(C) Extension Personnel										
PHT/ Value Addition	01	0	11	11				0	11	11
Disease Management (Livestock)	03	54	18	72				54	18	72
Training and Prunning	01	12	0	12				12	0	12
Design & Development of high nutrient efficient diet	01	20	0	20				20	0	20
Drying & dehydration	01	0	21	21				0	21	21
TOTAL	**05**	**86**	**50**	**136**	**-**	**-**	**-**	**86**	**50**	**136**

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										
Production Management	3	160	25	185	4	0	4	164	25	189
ICM/INM	1	25	8	33				25	8	33
Total	**4**	**185**	**33**	**218**	**4**	**0**	**4**	**189**	**33**	**222**
II Horticulture										
a) Vegetable Crops										
Exotic vegetable cultivation/Crop Diversification	3	45	6	51	-	-	-	45	6	51
Protective cultivation (Green Houses, Shade Net etc.)	3	44	0	44				44	0	44
Production of low volume and high value crops	1	15	0	15				15	0	15
Total	**7**	**104**	**6**	**110**	**-**	**-**	**-**	**104**	**6**	**110**
b) Fruits										
Training and Pruning	1	23	0	23	-	-	-	23	0	23
Grafting & Budding	2	30	0	30	-	-	-	30	0	30

Layout and Management of Orchards	2	30	0	30	-	-	-	30	0	30
Cultivation of Fruit	2	30	0	30	-	-	-	30	0	30
Nutrient Management	2	41	0	41				41	0	41
Plant propagation techniques	1	18	0	18	-	-	-	18	0	18
JalShakti Abhiyan	1	20	0	20				20	0	20
Grading & Packing	1	7	0	7				7	0	7
Total	**12**	**199**	**0**	**199**				**199**	**0**	**199**
c) Ornamental Plants										
Nursery Management	1	4	0	4	-	-	-	4	0	4
Management of potted plants	3	20	12	32	-	-	-	20	12	32
LandScaping	1	16	0	16				16	0	16
Lawn Making	1	10	0	10				10	0	10
d) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	02	28	-	28	-	-	-	28	-	28
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Total	**08**	**78**	**12**	**90**				**78**	**12**	**90**
GTotal(a-d)	**20**	**277**	**12**	**289**	**-**	**-**	**-**	**277**	**12**	**289**
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 organic inputs	1	21	0	21				21	0	21
Nutrient Use Efficiency										
Soil and Water Testing	2	25	5	30				25	5	30
Total	**6**	**121**	**5**	**126**				**121**	**5**	**126**
IV Livestock Prod. Management										
Waste management	2	38	6	44				38	6	44
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Disease Management	1	6	0	6	-	-	-	6	0	6
Feed management	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Total	**3**	**44**	**6**	**50**	**-**	**-**	**-**	**44**	**6**	**50**
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	11	11				0	11	11
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-

Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
PHT/Value addition	05	0	87	87	-	-	-	0	87	87
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	02	0	52	52				0	52	52
Total	**08**	**0**	**150**	**150**				**0**	**150**	**150**
VI Agril. Engineering										
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management	03	77	-	77	-	-	-	77	-	77
Integrated Disease Management	01	15	-	15	-	-	-	15	-	15
Mushroom Cultivation	-	-	-	-	-	-	-	-	-	-
Pollination Management	01	15		15				15		15
Total	**05**	**107**	**-**	**107**				**107**	**-**	**107**
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	5	92	0	92	-	-	-	92	0	92
Climate Change	1	18	0	18	-	-	-	18	0	18
Integrated Farming Systems	1	19	0	19	-	-	-	19	0	19
Total	**7**	**129**	**0**	**129**				**129**	**0**	**129**
Grand Total	**51**	**825**	**200**	**1025**	**4**	**0**	**4**	**829**	**200**	**1029**
(B) RURAL YOUTH										
Mushroom Production	02	30	0	30	-	-	-	30	0	30
Lawn Making	01	11	0	11				11	0	11
Propogation of ornamental plants	01	20	0	20				20	0	20
Prod. Magmt. Of Vegetables	01	15	0	15				15	0	15
Prod. Magmt. Of Floriculture	01	11	0	11				11	0	11
Prod. &Mgmt Tech. in agroforestry/ Nursery Mgmt	02	25	0	25				25	0	25
Nursery Management of Horticultural crops	01	21	0	21				21	0	21
Protected cultivation of ornamental plants/Bulb Production	02	19	4	23				19	4	23
Orchard Mgmt.	01	10	0	10				10	0	10

Vermi-culture	01	0	4	4				0	4	4
Training and pruning of orchards	2	43	0	43				43	0	43
Design & Development of High Nutrient Effiecient Diet	1	0	13	13				0	13	13
Tailoring and Stitching	1	0	10	10				0	10	10
PHT/Value addition	3	0	40	40				0	40	40
Pollution control	1	14	0	14				14	0	14
Diary Management	1	7	9	16				7	9	16
Beekeeping	1	26	0	26				26	0	26
Soil Conservation	01	20	0	20				20	0	20
Soil & water pollution	01	10	0	10				10	0	10
Total	**25**	**282**	**80**	**362**				**282**	**80**	**362**
(C) Extension Personnel										
PHT/ Value Addition	01	0	11	11				0	11	11
Disease Management (Livestock)	03	54	18	72				54	18	72
Training and Prunning	01	12	0	12				12	0	12
Design & Development of high nutrient efficient diet	01	20	0	20				20	0	20
Drying & dehydration	01	0	21	21				0	21	21
TOTAL	**07**	**86**	**50**	**136**	**-**	**-**	**-**	**86**	**50**	**136**

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	
Employment generation	3rd-31st March2022	Training programme on Crochet work	Skill empwerment	28	0	7	7	-	-	-	-
Mushroom	8th-14th March2022	STRY programme on Button Mushroom cultivation	Mushroom Cultivation	7	28	0	28	-	-	-	-
BeeKeeping	17th-23rd March2022	STRY Programme on Beekeeping as commercial Enterprise	Beekeeping	7	26	0	26	-	-	-	-
Employment generation	25th-31st March 2022	STRY Programme on value addition of fruits and vegetables	Income generation activities for women empowerment	7	0	25	25	-	-	-	-
ornamental nursery	Ist – 6th Sep 2021	STRY Training programme on Establishment of ornamental nursery on commercial scale	Nursery Raising	06	25	5	30	-	-	-	-
			Total :-		79	37	116	-	-	-	-

Capacity Building of Farmers through Training Programmes on Profitable Dairying Farming and Livestock Management

Training title*	Thrust area	Date	Dur days	No. of Participants		
				M	F	T
Fodder and Grass Land Management	Diary Mgmt	30th Dec 2021- Ist Jan 2022	03	0	40	40
Vermicompost production techniques	Vermicompost	12th -14th Jan 2022	03	38	02	40
Feed formulation and Fodder management	Diary Mgmt	8th -10th Feb 2022	03	40	0	40
Scientific Sheep and Goat rearing and its role in subsidiary occupation generation	Sheep Mgmt	14th -16th Feb 2022	03	40	0	40
Role of balanced diet & vaccination in small ruminants	DiaryMgmt	15th -17th Feb 2022	03	40	0	40

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	24th March 2022	Two days workshop on Farmer Perspectives on Soil Health under Changing Climate	Soil Science	Climate change	01	PF	01	22	0	22	-	-	-	22	0	22	TFHA-NMSHE ,Division of Soil Science, FOH SKUAST-K	-
2	17th March 2022	Training programme entitled 'climate resilient Agriculture-Adoption & Mitigation	Agronomy	Climate change	06	Farmers	01	18	0	18	-	-	-	18	0	18	Division of Environmental Science under DST	-
3	8th – 12th Oct 2021	Training programme on Balanced use of fertilizers/ soil health management	Soil Science	Soil Mgmt	05	Farmers	01	80	0	80	-	-	-	80	0	80	(under NMSA in collaboration with CAO Pulwama)	-
4	2nd Dec 2021	Training & pruning of apple orchards (HD & Traditional) in collaboration with Dept. of Horticulture Pulwama.	Fruit Science	Employment generation	01	RY	01	35	0	35	-	-	-	35	0	35	Dept. of Horticulture Pulwama.	-
5	3rd Dec 2021	Training programme for rural youth on canopy management of Apple in collaboration with Dept. of Horticulture Pulwama	Fruit Science	Employment generation	01	RY	01	19	0	19	-	-	-	19	0	19	Dept. of Horticulture Pulwama.	-
						Total	05	197	0	197	-	-	-	197	0	197		

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	Lentil(15th April 2021 , Awantipora 12th June 2021,Barsoo)	02	18	0	18	-	-	-	-	-	-	18	0	18
3.	Field Day	Moong (15th July 2022) Shaltakno	01	19	0	19	-	-	-	-	-	-	19	0	19
4.	Field Day	Maize(5th Aug 2021) Sangarwanu	01	30	0	30	-	-	-	-	-	-	30	0	30
5.	Field Day	Rajmash(15th June 2021) Shadipora	01	12	0	12	-	-	-	-	-	-	12	0	12
5.	Kisan Mela	6th-7th March2022	01	50	0	50									
6.	KisanGhosthi		02	65	19	84	-	-	-	-	-	-	65	19	84
7.	Exhibition	April 2021 - March 2022	03	387	169	556	-	-	-	-	-	-	387	169	556
8.	Film Show		-				-	-	-	-	-	-			
9.	Method Demonstration	April 2021 - March 2022	25	186	32	218	-	-	-	-	-	-	186	32	218
10.	Farmers Seminar	-	-				-	-	-	-	-	-			
11.	Workshop	-	-				-	-	-	-	-	-			
12.	Group meetings	-	-				-	-	-	-	-	-			
13.	Lectures delivered as resource persons	Jan- Dec 2021	61	1108	303	1411	-	-	-	-	-	-	1108	303	1411
14.	Newspaper coverage	April 2021 - March 2022					-	-	-	-	-	-			
15.	Radio talks /TV talks	April 2021 - March 2022	14	-	-	-	-	-	-	-	-	-	-	-	-
16.	Popular articles	April 2021 - March 2022					-	-	-	-	-	-			
17.	Extension Literature	April 2021 - March 2022					-	-	-	-	-	-			
18.	Advisory Services	April 2021 - March 2022					-	-	-	-	-	-			
19.	Scientific visit to farmers field	April 2021 - March 2022	156	698	58	756	-	-	-	-	-	-	698	58	756
20.	Farmers visit to KVK	April 2021 - March 2022	181	1097	177	1274	-	-	-	-	-	-	1097	177	1274
21.	Diagnostic visits	April 2021 - March 2022	45	270	0	270	-	-	-	-	-	-	270	0	270
22.	Exposure visits	April 2021 - March 2022	11	244	21	265	-	-	-	-	-	-	244	21	265
23.	Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.	Soil health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	Agri/Hort. Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.	Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.	Farmer Scientist	April 2021 -	95	696	88	784							696	88	784

	interaction	March 2022													
31.	MahilaMandals Conveners meeting	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32.	Celebration of important days	April 2021 - March 2022	21	1815	403	2218	-	-	-	-	-	-	1815	403	2218

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	2600	140	Apple Veg. Garlic Beekeeping Flower walnut	Dairy	-	-	-		

6.C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2020-21:-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	2.20	-	1.90qtls sold @Rs16 /kg & 20kgs issued to KVK Farm
	Paddy	SR-4	5.60	-	KVK Store
Oil Seeds	Mustard	SS-2	0.50	3000	Issued to FLD @Rs. @Rs60/kg
Pulses	Pulse Pea	Shalimar Pea-1	1.60	-	28 kgs issued to KVK IF &132kg sold @Rs60/kg
Fodder Crops	Oats	SFO-2	1.25	15360	45 kgs in KVK store & 80Kgs issued to KVK IF.
Vegetables	-	-	-	-	
	Total		**11.15**	**-**	

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	363	90,900	120(363 plants sold @Rs.250/plant)
	Apple assorted	Mix	5	-	-
	Clonal Apple Rootstock	MM106	1	-	-
	Walnut grafted	Selections	79	27650	20(79 plants sold @Rs.350/plant)
	Grafted Apricot	CITH Slections	25	-	-
	Grafted Plum	Santaros	23	-	-
	Peach grafted	-	6	-	-
	Quince		3	300	3(3 plants sold @Rs.100/plant)
	Almond Root stock		600	10200	2(600 plants sold @Rs.17/plants)
	Almond Grafted		348	52500	12(348 plants sold @Rs.150/plants)
		Total	**1453**	**181550**	**44**
VEGETABLES	Cole crops	Knol Khol	16500	8250	614
		Cabbage	2100	2100	
		Cauliflower	4625	4625	
		Broccoli	9575	9575	
	Solnaceous	Tomato	5711	5711	
	Cucerbits	OP/F!	300	3000	
		Total	**37811**	**33261**	**614**

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	2	-	25,000	1 (One Jersy cow sold @Rs25,00/-
	Cow	HF	1	-	-	-
	Calves	HF	2	-	-	1 (One calf sold @Rs.38,000/-)
Poultry		Vanraja Birds	500	-	14000	70 (300 birds distributed under Fld and 200birds sold @ Rs14000)
Fisheries		Commoncarp		30	6000	17

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

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

(A)

Item	*Title*	*Authors name*	*No. of copies*
Research papers	First record of Invasive Pest Giant Willow Aphid '*Tubrolanus salignus'* on *Salix alba* in cold arid region of Ladakh-India. Entomological News (2021) ,129(5):538-545	Dr.Barkat Hussain Dr.Ab.Rasheed War Dr.Satnam Singh *Dr.Shahnawaz Ahmad*	
	An intervention approach for improving nutritional status of mothers and children in Kashmir(India). Pharma Innovation Journal 2022,SP=11(2)1011-1015	*Dr.Iffat Ghani*	
	Canopy management in fruit crops for maximum productivity	*Dr Rayess A Wani*, Dr Shalia Din, Dr. Misba Khan, Dr.S.A.Hakeem,Dr.Jahangeer Baba, Dr.Gowher N.Parray & J.A.Khan	
	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	
	Effect of spacing and thining on growth and flowering of Alstromeria hybrid c.	Dr.R.A.Lone, Dr.I.T Nazki, *Dr Gazanfer Gani* and Dr.Nazir A Ganie	
	Effect of indole -3-butyric acid and time of stem cutings on rhizogenesis and chaemaecyparis pisifira	Dr.Wani Barkat Ul Islam Dr.R.A.Lone, Dr.I.T Nazki, Dr.F.A.Khan,Dr.M.D.Shah,Dr.N.Nazi and *Dr Gazanfer Gani*	
	Disease response of indigenous & exotic apple cultivators grafted on clonal rootstock under temperate conditions of India.	Dr.Shiekh Adeeba Dr.Mushtaq A Bhat Dr.Z.A.Bhat Dr.Z.A.Badri	
	Efficacy of fungicides & phyo extracts against Didymella bryoniae causing blight of Rifge Gourd.	Dr.Z.A.Bhat Dr.Mushtaq A Bhat Dr.N.A.Mughal, Dr.Mir.G.Hassan Dr.M.A.Ahanger Dr.Z.A.Badri	
Technical reports			
Book chapters			
Technical bulletins			
Popular articles			-
Training Manual			-

Item	*Title*	*Authors name*	*No. of copies*
Extension literature			
Folders /leaflets/Booklet	Lamness in sheep and its scientic management	Dr.Raies Dr.Zaffar	-
	Zilla Pulwama mein mushroom ki kheti	Prof.Dil Mohd Maqdoomi Prof.Musarat Shafi Prof.Z.A.Badri	-
	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

VERMICOMPOST & BIO-FERTILZER PRODUCTION UNIT AND SOIL TESTING LAB

Introduction

Bilal Ahmed Sheikh a post graduate student from a model village Muran of the district pulwama was completely jobless before starting his own enterprise of vermicomposting. After completing his education, he was one of the trainess in our taining programme of vermicomposting conducted in the year 2018. He remain very active and intractive throughtout the training programme because of his interset towards agriculture in general and for vermicomposting in particular. After completion of the training programme he opted vermicomposting as the source of livelihood and started his enterprise in the same year 2018 and since then he remained in a close contact with KVK, Pulwama for each and every technical guidance. Ater achieving a satisfactory success in vermicomposting he also started a soil testing labortory as a paid service for the farming community in which initially he has kept the facility of testing macroelements like Nitrogen, Potash and phosphorse along with soil

PH and in neaer future he might go for testing of some micro elements as well after acquiring the required training for the same. He besides above activities is also involved in the production of bio control agents like trichoderma and for that there is also a very good market in and around the district pulwama.

Intervention

Imparting of initial training to the entrepreneur and then regular technical guidance for changing the idea into a reality.

Output

A working vermicompost unit covering an area of 0.5ha with a capacity of three concrete shelves and open chambers. This whole activity consumed 15 number of labourers in a year.

Outcome

Breakup wise outcome from all the activitities are enlisted below.

Year	Activity	Income (Rs)	Outcome (Rs)	Net Profit (Rs)
2017-18	Vermicompost, Bio-fertilizers and Bio-control	1,45,000	90,000	55,000
2018-19	Vermicompost, Bio-fertilizers and Bio-control	3,60,000	2,10,000	1,50,000
	Soil Testing	2,50,000	1,40,000	1,10,000
2019-20	-do-	12,00000	9,00000	3,00000
2020-21		36,00000	26,00000	10,00000
2021-22		52,00000	38,00000	14,00000

Impact

- Presently his annual net earning from all the components is Rs.19,15000.
- There are almost 15 people engaged in this unit directly or indirectly.
- The Honorable PM also appreciated the Sheikh Brothers on their brilliant work in Mann ki Baat.

Case study/Success Story No: 2

DAIRY FARMING

Introduction

Pulwama district is well known for its milk production and is popularly known as "Anand of Kashmir". Keeping this spirit alive Shamim Ahmad Dar, unemployed under graduate student from Kanganan village of the district pulwama having a land holding of one hectare opted dairy farming as main source of lively hood along with paddy and apple cultivation as subsidiary agriculture. He initially started with eight (08) milch animals in the year 2019-2020 but as of now he is the owner of 22 animals in which 12 are adult cows, thereby increasing the strength of milch animals by more than 25 percent in less than two years of time. He earns not only by selling of main product milk but also uses decomposed FYM in the cultivation of paddy and apple, thereby decreasing the input cost by about 20% with the increased production of both the crops and also sells the left over FYM to other farmers as well.

KVK intervention

Imparting of awareness cum training on dairy farming and motivation of the entrepreneur to the level that dairy farming can be the good source of income and then support of regular technical assistance from the KVK

Output

A dairy farm expanded to the capacity of 22 animals. Initially 08 number of cross Holstein milch cows were purchased.

Outcome

Year wise outcome from dairy farm alone is as under.

Year	Activity	Income (Rs.)	Expenditure (Rs.)	Net profit (Rs.)
2019-20	Dairy farming	10,71,000	5,90,000	4,81,000
2020-21	Diary Farming	12,50,000	7,00,000	5,50,000
2021-22	Dairy Farming	16,75,000	8,50,000	8,25,000

Impact

- His net profits have grown from 4.8 lakhs to 5.5 lakhs as of today.
- His success in dairying has motivated many youth of kangan to venture into dairy farming for earning a handsome living.
- Not only this Mr. Shameem Ahmad has made his mind to turn waste into wealth by converting animal waste into vermin-compost for better revenue generation and at the same time put his efforts in safe guarding the local environs.

Case study/Success Story No: 3

Trout Fish Farming

Introduction

District Pulwama known for its contribution in agriculture, horticulture and other allied activities. Farmers are now switching towards other enterprises as well which is quite obvious from this case study where a farmer who hails from village Gango of the district Pulwama. Mr. Gh.Moh-u-din Ganaie a marginal farmer with a land holding of just 0.1ha does number agriculture related activities along with recently started trout fish farming. It was year 2016 when Gh. Moh-u-din Ganaie received a training programme on fish farming from this KVK and decided to start his own enterprise after discussing the availability of rich water source coming from springs and passing through the field of the farmer. A complete survey by team of scientists lead by animal scientist was done to ascertain actual availability of water fit for fish production, however after determining the water quality it was on spot decided and suggested to the farmer to go for the trout fish production. Mr. Gh. Moh-u-din complied with the suggestions and started to construct his fish farm stretched up to a length of about 200 feet and since then he is in close touch with this KVK for every possible technical assistance which resulted him in becoming the successful trout fish producer of the district.

KVK intervention

Imparting of training programme on fish farming and ascertaining the quality water availability at farmers field and then support of regular technical assistance to the farmer

Output

A fish farm of about 200 feet in length was constructed now having the production capacity of 30q.

Outcome

Out of this enterprise (Fish farm) farmer produced 30 q of fish and sold @ Rs.500/kg and earned a net profit of Rs. 800000/-

Impact

- In 2020-21 he earned a net profit of Rs 8,00,000/- from sale of fish.
- He is playing a lead role in the horizontal spread of the technology of trout fish farming to the fellow farmers of his adjacent area.
- His unit serves as an inspiration to others. Youth interested in fisheries are taken for hands on training and for demonstration purposes by Department of Fisheries to this unit.

Case study/Success Story No: 4

Vegetable cultivation

Introduction

Vegetable production is one of the most important agricultural activity being carried out in district Pulwama. Number of farmers are earning their livelihood directly or indirectly from vegetable cultivation. Mr. Javeed Ahmed Bhat from Bangund, Wanpoora, Pulwama is one of the farmer occupied with cultivation of different vegetable as source of his livelihood. Javeed Ahmed a matriculate with a land holding of 3.0 ha is cultivating different vegetables in such a way that his cropping intensity on some of the area is more than 300%, thereby increasing his net income by manifolds and has become an inspiration for surroundings farmers of that area. Since quality vegetable production is possible only when soil is reach in organic matter, and knowing this prerequisite Mr. javeed Ahmed started one poultry unit of 6000 birds as well to full the requirement of organic matter and also earns additional income from the sale of poultry birds.

KVK Intervention

Farmer was interested in vegetable production but was unaware about the land use pattern in order to enhance the gross cropped area to harvest maximum profit from the actual available area. So the KVK suggested cropping pattern in such a way that the farmer got the enhanced cropping intensity up to 300%.

Output

Execution of cropping pattern was made in such a way that the maximum cropping intensity was achieved.

Outcome

Due to KVK intervention grower harvested 1961 quintals of different vegetables in one year from from the net sown area of 3 ha and earned a net income of rupees 1128500/-

Impact

- Presently he is earning Rs.38,04,500 from vegetable cultivation and total farm net income is Rs.15,53,500 per annum.
- His success motivated other farmers of his village and presently entire area surrounding the village has been undertaking vegetable cultivation and is known as vegetable bowl of Pulwama district.
- Recently framed an FPO of vegetable growers and he is a member of that FPO registered under NABRD.

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 community of the area	Since the Rajmash variety Canadian Red is pole type as such it is grown in maize 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 2021-22 **:**

Details	No.	No. of Farmers	No. of Villages	Amount realized
Soil Samples+ FLD samples	588	372	76	9030/-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Soil Health Cards Issued	86	-	-	-

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 2021-22: 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	180	40%	Rs 500/day	Rs. 800/day
Budding and grafting	80	32%	Rs 500/day	Rs.750/day
Vermi compost-(6'x2'x1.5')	110	87%	Nil	Rs.30000-50000/year
Early season vegetable (production under polyhouses	55	50%	Nil	1,30,000/acre
Poultry Farming	28	10.7	Nil	48000/year
Dairy Farming	15	2	Nil	70000/year
Mushroom	56	12.5%	Nil	7000/10 trays
Beekeeping	68	13%	-	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.

S No	Technology Interven-tion*		Yield (q/ha)			Economic Returns (Net) Rs/ha			%Adoption
			Local	Impr-oved	% Inc.	Local	Impr-oved	% Inc.	
	Paddy	SR-4	58	78	34.48	50000	94000	88	Near about 2000ha is brought under cultivation of SR-4
2	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 1000ha is brought under cultivation of SMC-7 & SMC-4
3	Rajmash	Shalimar Rajmash-1	8	10	25	61000	100000	63.93	Near about 05ha is brought under cultivation of Shalimar Rajmash-1.
4	Moong	KM-2241	7.2	9.01	25.41	24000	57340	138.91	In adopted villages around 1500 hectares is under this Variety.
5	Lentil	Shalimar Lentil-1	10.15	12.26	20.69	34,350	50,340	46.5	In adopted villages near about 100ha is under the Lentil cultivation
6	Brown Sarson	Shalimar Sarsoon-2	12.8	16.15	26.17	31,600	55,000	74.0	In adopted villages about 85% area is under this variety
7	Pea	Prakash	4.35	5.41	24.37	17,700	32,500	83.6	20% farmers adopted 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	55.5 Kg	3800/-	11,100/-	70 (Rs.200/Kg)
2	Apiculture		45 colonies	Apismelfera	Honey	140kg	20000/-	84,000/-	55 (Rs.600/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	17-06-2021	25-09-2021	0.15	SR-4		5.60			KVK store
Wheat	20-10-2020	27-06-2021	0.2	SW-1, SW-2, SKAUWW-101	Seed	2.20	-	3040.0	30kgs isuued to KVK IF remaining 190kgs sold @Rs16/kg

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	
Oats	20-10-2020	24-05-2021	0.7	Shalimar Fodder Oats-2	seed	1.25	-	-	80kgs isuued to KVK IF & 45kgs at KVK Store
Pulse Pea	28-10-2020	10-06-2021	0.1	Shalimar pea-1	Seed	1.60		7920.0	28kgs isuued to KVK IF & 132kgs sold @Rs60/kg
Oil Seed	25-10-2020	10-05-2021	0.15	SS-2	Seed	0.50		3000	50Kgs issued to KVK IF @Rs60/kg
Fruits									
Apple Orchard	Old plants	2020	-	Shireen, Akber, Firdous, Kolu delicious	Fruit			66200.00	Auction
Walnut	Old plants	2020	10(big Old Plants)	Seedling origin	Fruit (Nuts)	-	-		

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	-	30 Kg	-	6000/-	-

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 2021-22(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	6.0	-	6.0	-	6.0	-	-	6.0
2	Equipment	1.50	-	1.50	-	1.50	-	-	1.50
3	Information Technology	-	-	-	-	-	-	-	-
4	Library Books and Journals	-	-	-	-	-	-	-	-
5	Vehicle & Vessels	-	-	-	-	-	-	-	-
6	Livestock	-	-	-	-	-	-	-	-
7	Furniture & fixtures	3.0	-	3.0	-	3.0	-	-	3.0
8	Others	-	-	-	-	-	-	-	-
	Total - CAPITAL	**10.50**	**-**	**10.50**	**-**	**10.50**	**-**	**-**	**10.50**
9	**Pay & Allowances**	180.0	-	180.0		180.0	-	-	180.0
	Total								
	Grants in Aid – General								
10	Travelling Allowance (Domestic)	0.50	-	0.50		0.50	-	-	0.50
11	A. Research Expenses	2.15	-	2.15		2.15	-	-	2.15
12	B. Operational Expenses	2.15		2.15		2.15			2.15
13	C. Infrastructure (Rent, Electricity, Water charges, Veh running exp, insurance)	1.0	-	1.0		1.0			1.0

S. No.	Budget Head	Revised Estimate				Expenditure			
		other than TSP, SCSP, NEH	TSP	SC SP	Total	other than TSP, SCSP, NEH	TS P	SC SP	Total
14	D. Communication (Postage and telephone)	0.15	-	0.15		0.15	-	-	0.15
15	E. Others (excludingTA)(Printing and stationery consumable, Advertising, Legal Professional charges)	0.70	-	0.70		0.70	-	-	0.70
16	F. Publicity & Exhibitions	0.15	-	0.15	-	0.15	-	-	0.15
17	G. Guest House-Maintenance (recurring only)	-	-	-	-	-	-	-	-
18	H Other Miscellaneous	5.05		5.05		5.05			5.05
19	I. **Repair & Maintenance**	-	-	-		-	-	-	-
	(i) Equipment, Vehicle & Others	0.15	-	0.15		0.15	-	-	0.15
	(ii) Office building	1.50	-	1.50		1.50	-	-	1.50
	(iii) Residential building		-				-	-	
	Total Recurring Contingency	13.0		13.0		13.0			13.0
	Grants in Aid- General (RC+TA)	**13.50**		**13.50**		**13.50**			**13.50**
	Grand Total (Capital + Salary +General)	**204.00**		**204.00**		**204.00**			**204.00**

13.3 Status of revolving fund (Rs. in lakhs) during 2019-2022

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 2019 to March 2020	22,13,120.96	709388.50	2361430.00	561079.46
April 2020 to March 2021	561079.46	456085.00	436550.00	580614.46
April 2021 to March 2022	580614.46	604799.00	370256.00	815157.46

- An amount of Rs.1725000.00 has been transferred to comptroller office for the year 2019-20.

14. Details of HRD activities attended by KVK staff during 2021-22: 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 (2021-2022)

1.Event Name:- **World Bee Day (20th May 2021)**

World Bee Day was celebrated by KVK Pulwama through virtual mode through Directorate of Extension SKUAST-K on 20th May 2021.

2. Name of the event: World Milk Day 2021 on Ist June 2021

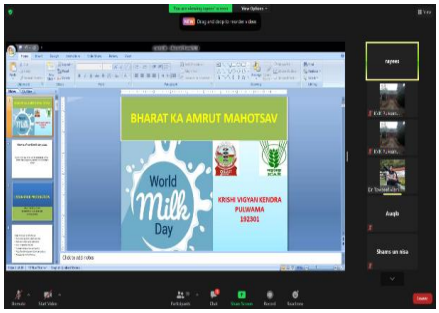
Theme of the event: Animal health and productivity as part of "Bharat ka Amrut Mahotsav"

Representatives: Nil

Venue: Virtual Mode

No. of Participants: Twenty Four (24)

Technologies disseminated:



- Dairy farming as economic enterprise.
- Breeding, feeding, management and healthcare of dairy animals.
- Production of quality milk products.
- Clean milk production.

3.Name of the event: Farmer's Awareness Campaign on 'Balance Use of Fertilizers' across the KVKs on

Theme of the event:

Representatives: Nil

Venue: KVK, Pulwama

No. of Participants: Twenty(20)

Technologies disseminated: Educating farmers on various aspects of balanced fertilization viz.

- Role of fertilizers in supply plant essential nutrients
- Role of soil testing in balanced use of fertilizers
- Judicious use of fertilizers using 4R approach
- Importance of organic fertilizers (compost, bio fertilizers etc.)
- About Soil Health Card Scheme
- Drip fertigation
- Crop residue management.

4.Name of the event: Conduct of awareness on COVID Appropriate behavior on 24th June 2021

Theme of the event: Together we will fight covid. Join the fight against covid for farmers

Representatives: Medical Officers from District Health Department Pulwama.

Venue: KVK, Pulwama

No. of Participants: Twenty (33)

Information Disseminated on

- Great people without physical contact.
- Maintain physical distance.
- Wear reusable handmade face-cover or mask, at all times.
- Why is it necessary to wear a hand-made face cover or mask.
- A handmade face cover or mask limits the spread of any respiratory infection and protects the community at large.

- Do I need to wear a mask at all times.
- Always remember, wash hands with soap and water or use an alcohol-based sanitizer before wearing a mask.
- Avoid touching your eyes, nose or mouth
- Maintain respiratory hygiene
- Regularly clean and disinfect frequently touched surfaces.

5.Name of the event: Tree Plantation Drive and awareness on the eve of ICAR's Foundation Day on 16th July 2021

Theme of the event: Har Med Par Ped
Representatives: Nil
Venue: Malangpora
No. of Participants: Twenty Four (30)

Plantation Drive on the boundaries/bunds helps to increase the forest cover and can control air pollution. In addition to providing fodder, fuel wood and other products, trees in agroforestry system promote soil and water conservation, enhance soil fertility and act as windbreaks for nearby crops.

6.Name of the event: Felicitation Programme for Krishi Vigyan Kendras on 28th July 2021.

Directorate Of Extension, SKUAST-K organized Felicitation Programme at SKUAST-K for Krishi Vigyan Kendras on 28th July 2021 in which Krishi Vigyan Kendra Pulwama was felicitated by Hon'ble Vice Chancellor Prof.J.P.Sharma and Worthy Director Extension SKUAST-K Prof. D.M. Mahkdoomi in presence of Dr.Tanweer Aalam,Director Indian Institute of Packaging, Mumbai in recognition of Outstanding and exemplary contribution in achieving excellence in the field of Extension for the welfare of farming community.

7. **Name of the event:** Celebration under Azadi Ka Amrit Mahotsav on 26.08.21

Theme of the event: Food and Nutrition for Farmers
Representatives: Nil
Venue: Malangpora
No. of Participants: Twenty Four (25)

Farming is the main livelihood of a majority of people in India, with a large population of undernourished people. This indicates the potential for mainstreaming the nutrition

dimensions in the farming system to impact on nutrition outcomes. With this intention todays programme "Food and Nutrition for farmers" under the theme "Azadi Ka Amrit Mahotsav", was organised throughout India and at our station KVK Pulwama. On the occasion Prof. & Head KVK Pulwama Dr. Musarat Shafi, along with other scientific staff were present. A welcome address with the brief introduction of the programme was delivered by the Head of the KVK. In addition to it the other scientists Dr. Iffat, Dr.Towseef,Dr.Shujaat and Dr.Raies also delivered lectures and a presentation was also delivered. Furthermore, the programme was attended by 25 farmers and farm women who actively interacted during the topic.

8.Name of the event: Poshan Abhiyan & Tree Plantation on 17th Sep 2021

Theme of the event: Plantation Drive & Distribution of Seed Kits.

Representatives: Nil

Venue: Malangpora

No. of Participants: 100

To celebrate 75th Bharat Ka Amrit Mahotsav, KVK Pulwama today organized a one-day campaign on Poshan Abhiyan and Tree Plantation. Prof Dil M. Makhdoomi, Worthy Director Extension, SKUAST- K was the chief guest on the occasion. 100 farmers including 25 rural girls participated in the campaign. Owais Ahmad representative from IFFCO and Mr. Irshad Ahmad, Manager NRLM also participated in the event. Worthy Director Extension planted two Cedrus Deodara plantlets on the occasion. Poultry birds were also distributed among the farmers by Worthy Director Extension under FLD Program.

9.Name of the event: World Food Day on 16th Oct 2021

Theme of the event: "Our actions are our future".

Representatives: Nil

Venue: Malangpora

No. of Participants: 30

KVK Pulwama celebrated World Food Day on 16th Oct 2021 under "Azadi Ka Amrit Mahotsav", under the theme "Our actions are our future". Better production, better nutrition, better environment and a better life". Different lectures were delivered pertaining the theme by the scientists of the KVK. Anganwari workers from Dept. of Social welfare, Kakapora also participated in the event. Packets of vegetable seeds were also distributed among the participants by Dr. Musarat Shafi,Prof. & Head of the Kendra.

10. Name of the event: Mahila Kissan Divas on 15th Oct 2021
Theme of the event: Equity and Empowerment
Representatives: Nil
Venue: KVK Campus
No. of Participants: 30

KVK Pulwama celebrated Mahila Kissan Divas on 15th Oct 2021 under "Azadi Ka Amrit Mahotsav", with the theme of Equity and Empowerment. Different lectures were delivered on the themes Role of women in agriculture, Women empowerment etc by the scientists of the KVK. Ms Shahzada Akhter Women entrepreneur highlighted her contribution in Diary sector. Anganwari workers from Dept. of Social welfare, Kakapora also participated in the event. Later on, the participants visited the different demo units of the Kendra.

11. Name of the event: Special National Swacchhta Campaign on 12th Oct 2021
Theme of the event:
Representatives: Nil
Venue: KVK Campus
No. of Participants: 140

KVK Pulwama Celebrated Special National Swacchhta Campaign under the theme 'Waste to Wealth' on 12th October 2021 at KVK campus. Apart from employees of the KVK, field functionaries of Dept. of Social welfare ,Pulwama and Dept. of Agriculture, Pulwama along with the farmers participated in the said event.

12.Name of the event: Northern Indian Regional Agricultural Fair -2021 at SKUAST-Jammu (7th to 11th October 2021)

KVK Pulwama participated in 5 days long Northern Indian Regional Agricultural Fair -2021 at SKUAST-Jammu (7th to 11th October 2021) along with three farmers namely Mr. Bilal Ahmad Shiekh & Muneer Ahmad Shiekh (Shiekh brothers) from Muran Pulwama and Mr. Irshad Ahmad Dar from Patlibagh Pampore who also installed their exhibition stalls and received participation certificates. Hon'ble Vice-Chancellor Prof.J.P.Sharma and the Worthy Director Extension of SKUAST-Jammu as well as SKUAST-Kashmir appreciated the efforts of KVK Pulwama for their nice stall presentations. The awards secured are.

1. Appreciation awards for best stall and another in Saffron.
2. Shiekh brothers participated in fruit show and received an appreciation award in Pear variety (Kashmiri Naakh).

13.Name of the event: Jal Shakti Abhiyan on 12th and 18th Oct 2021

Theme of the event:
Representatives: Nil
Venue: KVK Campus
No. of Participants: 23

Awareness programmes under Jal Shakti Abhiyan were conducted on 12th and 18th Oct 2021 were in farmers from different corners of District Pulwama were given awareness on various ways of means to save water and efficient water utilization.

14.Name of the event: Vigilance Awareness week 2021(26th Oct 2021 to Ist Nov 2021)

Theme of the event: Self Reliance with Integrity
Representatives: Nil
Venue: KVK Campus on 27th Oct 2021
No. of Participants: 47

As part of vigilance awareness week, KVK Pulwama held a days programme to inculcate discipline, honesty and punctuality among employees towards their duties and an enabling atmosphere is created for delivering services to the farming community in smooth and time bound manner.

15. Name of the event: National Campaign on Agriculture and Environment : The Citizen Face under Azadi Ka Amrit Mahotsav on 26th Nov 2021

Theme of the event: Agriculture & Environment
Representatives: Nil
Venue: Malangpora
No. of Participants: 30

KVK Pulwama today on 26th of November 2021 celebrated the National Campaign on Agriculture and Environment: The Citizen Face under Azadi Ka Amrit Mahotsav. Lectures were delivered on Orientation of school children towards opportunities in agriculture sector for entrepreneurship and employment. During this campaign students from Govt High School Malangpora Pulwama participated and took part in quiz competition. Students of class 10th secured first position followed by class 9th. Later on, exposure visit to different demonstration units at the campus was also organized.

16.Name of the event: World Soil Day on 5th Dec 2021

Theme of the event: Halt Soil salinization, boost soil productivity'
Representatives: Nil
Venue: KVK Campus
No. of Participants: 97

Krishi Vigyan Kendra/Extension Training Center, Pulwama SKUAST-K, organised World Soil Day on 5th Dec 2021 at KVK Auditorium. The programme was attended by more than 97 farmers, including 22 progressive farmers, along with teaching and non- teaching staff of the KVK. Worthy Director Extension, Prof. Dil Mohd. Maqdoomi was the chief guest on the occasion. He highlighted the importance of soil health and different factors responsible for its detoriation, prevention of salinity and improving fertility of soil that ultimately improves human and animal health. He displayed the soil health cards prepared by Directorate of Extension and explained its importance and apprised the farmers to avail the facility of KVK Pulwama for getting their soil samples tested. He further explained prevention of soil pollution by polyethene, battery waste and disposal of soil waste.Soil health cards were distributed among farmers on the occasion. Prof. & Head KVK Pulwama, Dr. Musarat Shafi in her inaugural address highlighted the importance of environmentally friendly techniques and practices in safeguarding the human and environmental health alike. Dr. Syed Shujat scientist soil science gave detailed power point presentation on 'World Soil Day under the theme-Halt Soil salinization,

boost soil productivity'.Dr.Malik Raies delivered vote of thanks .Second session of the event ended with Farmer Scientist Interaction.

17. Name of the event: Pre-vibrant Gujrat summit 2021 - National conclave on Natural Farming(16th Dec 2021)

Theme of the event:
Representatives: Nil
Venue: KVK Campus
No. of Participants: 122

Hon'ble Prime Minister Shri Narendra Modi addresses the National Conference on 'Natural Farming (Zero Budget) Pre-vibrant Gujrat summit 2021 on 16th Dec 2021. The programme was attended by farmers from different corners of district Pulwama at KVK Pulwama Auditorium.

18. Name of the event: KISSAN DIVAS(23rd Dec 2021)

Theme of the event:
Representatives: Nil
Venue: Director Extension,SKUAST-K
No. of Participants: 35

Five progressive farmers from KVK Pulwama were felicitated, at Directorate of Extension SKUAST-K on the occasion of celebration of 'KISSAN SAMAN DIVAS' on 23rd Dec 2021. Hon'ble Vice chancellor SKUAST-K, Prof.Nazir Ahmad Ganie along with Worthy Directors, Director Agriculture Mr. Choudhary Mohd Iqbal distributed awards and certificates among progressive farmers in presence of Dean's of different Faculties, Associate Directors, Heads of KVKs and other Scientists. The event was also attended by farmers from all the districts of Kashmir.

19. Name of the event: Jai Jawan Jai Kisan(23rd Dec 2021)

Theme of the event: "Uttam: Kheti-Unnat Kisan"
Representatives: Nil
Venue: Malangpora
No. of Participants: 14

As part of Azadi Ka Amrit Mahotsav, KVK Pulwama celebrated "Jai Jawan Jai Kisan" with theme "Uttam: Kheti-Unnat Kisan" today on 23rd Dec 2021 at campus. Addressing the function, Scientists of the KVK highlighted the need to adopt better farming practices, in order to reap maximum benefits from it. The participants of the programme also watched live lecture delivered by DDG Agriculture Extension A.K.Singh on "Gender and Nutrition-sensitive Agriculture".

20. Name of the event: Swachhta Pakhwada campaign **(16th -31st Dec 2021)**

Theme of the event:

Representatives: Nil

Venue: KVK and vicinities

No. of Participants: 131

KVK Pulwama celebrated Swachhta Pakhwada campaign and conducted various awareness programmes as per the action plan.

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, Bharsoo etc.	Saffron cultivation on scientific lines	Management of corm rot disease 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 dairy Imbalanced feed	Mild Mild	III III	Management of disease
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	Low altitude/high altitude High oil content
	Shalimar sarson-2	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 Scientific Advisory Committee Meeting (2021) of KVK, Pulwama.

Hon'ble Vice Chancellor SKUAST-K Prof. J. P. Sharma chaired the24th and 9th scientific advisory committee meeting of KVK Pulwama and Shopian respectively on Thursday at KVK Shopian.Prof. Dil Mohammad Makhdoomi, Director Extension SKUAST-K was the guest of honour on the occasion. Director Research Prof Sarfraz Ahmad Wani was also present at the meeting. Representative scientists from Ambri Apple Research Station Pahnoo, scientists from both the Kendras, officials from line Departments, progressive farmers of Pulwama and Shopian attended the said meeting physically while Development Departments of District Pulwama attended virtually to share their expertise and suggestions.

Hon'ble Vice Chancellor in his address congratulated both the KVKs for according high level of maintenance to the Kendra campuses. He emphasized the need to develop adoptable technologies at grass root levels to enhance the farm revenue and farmer's income and in this regard underscored the need to manage post production losses to minimum, through value addition and linking the production system with the market so that the dream of doubling the farmer's income can be realized.He desired to frame a group of progressive farmers at state level so that the farmer led innovations can be documented for its wide publicity among the farming community of the state. While laying stress on popularization of ATMA NirbharYojana, Hon'ble Vice Chancellor sought identification of pioneer master training Institutions for the KVK Scientists in order to facilitate the masses towards entrepreneurship development. Worthy Director Extension SKUAST-K acknowledged the role of both the KVKs in promoting the farming activities and reaching out to the farmers amid the pandemic. He impressed upon the need to promote cost effective treatment strategies to alleviate the sufferings of the livestock and assured full co-operation to all line departments and KVK's in the field of mutual interest, value addition, packing and branding of products. He directed the KVK's to take pro-active role in FLD's and OFT's and informed that he will personally monitor FLD's for better seed production.

Prof. Musarat Shafi, Head KVK Pulwama presented action taken report on agenda items of 2019-20, followed by presentation of annual progress report for the year 2020-21and the action plan 2020-21.

The summary of proceedings/recommendations is as under:-

1. Chief Agricultural officer desired for seamless and hasslefree transfer of technology and solving problems of farmers in a time bound manner, further he insisted for convergence of KVKs,line departments to disseminate economically viable technologies to farmers.
2. Chief Horticulture Officer highlighted the issue of russeting and Alternaria in apple and and desired a scientific way out for its prevention. He further requested for producing grafted walnuts plants in bulk for farmers.
3. District Animal Husbandry Officer insisted to ensure availability of nutritious fodder especially through introduction of high yielding fodder varieties, so as to offset production losses, during winter.
4. Inorder to mitigate scarcity of fodder especially during winters, Director Extension emphasized that each KVK should have at least, one fodder block/feed block and a soilage making machine.
5. District Sheep Husbandry officer requested for enhancing the availability of fodder seed of high yielding varieties to farmers.
6. Hon'ble Vice chancellor directed for promoting crop diversification in order to prevent glut and sudden price fall, especially seen when monocropping is followed on a large scale. The crop diversification will also enable farmers in achieving the goal of doubling their income. KVK in this regard should take a lead role in the demonstration of multicroping system on campus.
7. Worthy Director Extension stressed for promotion of cost effective and field-based treatment strategies for combating diseases in animals.
8. Hon'ble Vice Chancellor emphasized on demonstration of farmer led innovations and indigenous technical knowledge.
9. Hon'ble Vice Chancellor highlighted the need to prepare an honour board of progressive farmers, so that it serves a source of inspiration for others especially unemployed rural youths.
10. Hon'ble Vice Chancellor highlighted the importance for promoting skills of farmers, inorder to reap better returns by avoiding exploitation at the hands of middle men.

11. Hon’ble Vice Chancellor emphasized the need to aware the farmers regarding the importance of FPO’s, SHG and farmer’s cooperatives etc. for promotion and safeguarding the interests of farmers.
12. Inorder to minimize post-harvest losses, Hon’ble Vice Chancellor emphasized for exploring options under ATM-E-Nirbar Bharat, so that farmers are able to reap better returns on their produce.

Training Annexure:

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
April 2021 5th April	PF/FW	Scientific method of raising paddy nursery under protected cover with recommended seed rate	Crop Prod	Prod Mgmt	01	On Campus	15	-	15	-	-	-	15	-	15
7th April 2021	PF/FW	Nutrient deficiency and their management	Fruit Science	Nutrient Mgmt	01	On Campus	19	-	19	-	-	-	19	-	19
7th April 2021	PF/FW	Lawn making and its management	Floriculture	Landscaping	01	On Campus	16	-	16	-	-	-	16	-	16
13th April 2021	PF/FW	Ecological and economical importance of Agroforestry trees.	Agroforesty	Prod. Mgmt	01	On campus	15	-	15	-	-	-	15	-	15
20th April 2021	PF/FW	Demons. On minimization of nutrient losses during cooking	Homescience/ FST	Min. of nutrient loss during cooking	01	On campus	-	10	10	-	-	-	-	10	10
20th April 2021	PF/FW	Importance of Pollinators in fruit production and awareness about their conservation.	Plant Protection	Pollination Mgmt	01	On campus	15	-	15	-	-	-	15	-	15
17th April 2021	PF/FW	Organic vegetables farming and its scope in present scenario	Soil Science	Prod. &use of organic products	01	On campus	21	-	21	-	-	-	21	-	21
17th April 2021	PF/FW	Awareness programme on pesticide spray schedule of SKUAST-Kashmir for apple disease management	Plant Protection	IPM	01	Renzipora	45	0	45				45	0	45
21st -23rd April 2021	RY	Production of cut flowers & their role in doubling the farmers income	Floriculture	Prod. Mgmt	03	On campus	11	-	11	-	-	-	11	-	11
14th -16th April 2021	RY	Nutritional awareness to prevent anemia among adolescent	Homescience/ FST	Design & dev. of high nutrient efficiency diet	03	On campus	-	13		-	-	-	-	13	13
May 2021 4th -6th 2021	PF/FW	Awareness prog. on transplanting paddy seedling as per SKUAST-K recommendations	Crop Prod.	Prod. Mgmt	03	On campus	25	10	35	-	-	-	25	10	35
29th May 2021	PF/FW	Importance of time, proper placement, and balanced application of fertilizers in Horticulture Crops	Fruit Science	INM	01	On campus	22	-	22	-	-	-	22	-	22

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	No of other participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
19th May 2021	PF/FW	Management of pot/house plants	Floriculture	Landscaping	01	On campus	7	2	9	-	-	-	7	2	9
28th May 2021	PF/FW	Nursery raising of summer annuals/ seasonals	Floriculture	Nursery Mgmt.	01	On campus	4	3	7	-	-	-	4	3	7
27th May 2021	PF/FW	Extension approaches for managing flying cotton of poplars.	Agro forestry	Production & Mgmt.	01	On campus	22	-	22	-	-	-	22	-	22
	PF/FW	Homescience/ FST	Value addition		01	On campus	5	10	15	-	-	-	5	10	15
26th May & 29th May	RY	Clean milk production and production of quality milk products.	Animal Science	Value addition	03	On campus	7	9	16	-	-	-	7	9	16
5th–7th May	RY	Lawn making and its mgmt on scientific guidelines	Floriculture	Lawn Mgmt	03	On campus	11	-	11	-	-	-	11	-	11
June 2021															
20th -23rd June 2021	PF/FW	Extension approaches for managing flying cotton of female Populus	Agro forestry	Environmental Pollution	02	On campus	14	0	14	-	-	-	14	0	14
24th June 2021	PF/FW	Awareness programme on covid appropriate behavior	-	-	01	Renzipora, Koil, Dangerpora	0	33	33	-	-	-	0	33	33
14th June 2021	PF/FW	Post-harvest management and processing of vegetables	Homescience/ FST	Value addition	01	On campus	0	11	11	-	-	-	0	11	11
18th June 2021	PF/FW	Demonstration on nutritious packed lunch recipes for school going children	Homescience/ FST	Design & dev.of nutritious low cost recipe.	01	On-campus	0	11	11	-	-	-	0	11	11
20th-23rd June 2021	RY	Nursery raising techniques for quality planting material	Hort.	Nursery raising	03	On-campus	21	0	21	-	-	-	21	0	21
July 2021															
12th July 2021	PF/FW	Propagation by Budding and its importance in fruit production	Fruit Science	Grafting & Budding	01	On-campus	17	0	17	-	-	-	17	0	17
Ist July 2021	PF/FW	Production technology of aromatic plants on commercial scale	Floricultutre	Production & Mgmt.	01	On-campus	8	03	11	-	-	-	8	03	11
28th July 2021	PF/FW	Awareness programmed on economically important diseases (Mastitis, Repeat Breeding,NCD)	Animal Science	Disease Mgmt.	01	On-campus	6	0	6	-	-	-	6	0	6
18th July 2021	PF/FW	Jal Shakti Abhiyan Awareness programme on water conservation	-	-	01	On-campus	20	0	20	-	-	-	20	0	20

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	No. of participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
Ist July 2021	PF/FW	Techniques of in-situ moisture conservation	Soil Science	Soil water conservation	01	On Campus	33	0	33	-	-	-	33	0	33
24th July 2021	PF/FW	Awareness programme on importance of conservation of water by using micro irrigation.	Soil Science	Soil water conservation	01	On Campus	25	0	25	-	-	-	25	0	25
23rd July 2021	PF/FW	Demonstration on soil water conservation	Soil Science	Soil water conservation	01	On Campus	17	0	17	-	-	-	17	0	17
August 2021 5th – 6th	PF/FW	Demonstration on "preparation of Apple Bar and Apple chips"	Home Science/ PHT	Income generation activities for empowerment of rural Women	01	On Campus	0	35	35	-	-	-	0	35	35
2nd- 3rd August 2021	PF/FW	Demonstration on preparation of Apricot Jam and Tomato Puree	Home Science/ PHT	Income generation activities for empowerment of rural Women	01	On Campus	0	26	26	-	-	-	0	26	26
20th Aug 2021	PF/FW	Propagation by Budding and its importance in fruit production	Horticulture	Plant propagation	01	Renzipora	13	0	13	-	-	-	13	0	13
23rd Aug 2021	PF/FW	Techniques to improve fruit color in apple	Horticulture	Quality improvement	01	Tangpuna	16	0	16	-	-	-	16	0	16
12th Aug 2021	PF/FW	Scientific management of pot/ house plants	Floriculture	Pot plant management	01	Dalipora	8	5	8	-	-	-	8	5	8
Ist Aug 2021	PF/FW	Production technology of aromatic plants on commercial scale	Floriculture	Production management	02	Tenghar	15	0	15	-	-	-	15	0	15
2nd ,6th Aug 2021	PF/FW	Management of apple diseases under extreme weather conditions	Plant Protection	IPM	01	Shahabad, Newa	20	0	20	-	-	-	20	0	20
6th Aug 2021	PF/FW	Importance of soil & leaf testing before doing any Agri/Horti operations	Soil science	Soil & Leaf testing	01	Bajnori Khrew	10	02	12	-	-	-	10	02	12
26th -28th Aug 2021	PF/FW	Seed production of important vegetable crops	Olericulture	Seed prod	01	Wasura	15	0	15	-	-	-	15	0	15
Sep 2021															
20th Sep 2021	PF/FW	Popularization & demonstration of exotic vegetables	Olericulture	Cultivation of exotic vegetables	01	Renzipora	17	0	17	-	-	-	17	0	17
27th – 28th Sep 2021	PF/FW	Cone collection and seed processing of conifers trees.	Agroforestry	Prod & Mgmt tech	02	Shikargah Tral	17	0	17	-	-	-	17	0	17

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	No. of participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
13th -15th Sep 2021	PF/FW	Importance of soil and leaf testing before doing any agri/Horti operations.	Soil Science	Soil & leaf testing	03	Renzipora,Khrew,Payar	15	3	15	-	-	-	15	3	15
Ist – 6th Sep 2021	RY	STRY Training programme on Establishment of ornamental nursery on commercial scale	Floriculture	Nursery raising	06	On Campus	25	5	30	-	-	-	25	5	30
Oct 2021															
21st Oct 2021	PF/FW	Training & pruning of apple orchards on scientific guidelines	Fruit science	Training & Pruning	01	On Campus	23	0	23	-	-	-	23	0	23
21st Oct 2021	PF/FW	orchard sanitation for management of diseases in temperate fruits	Fruit Science	Orch.Mgmt.	01	On Campus	13	0	13	-	-	-	13	0	13
20th Oct 2021	PF/FW	Grading and packing of Apple.	Fruit Science	Budding & grafting	01	Koil	7	0	7	-	-	-	7	0	7
16th Oct 2021	PF/FW	Effect of global warming on forest flora and fauna	Agroforestry	Climate change	01	Buchoo Tral	18	0	18	-	-	-	18	0	18
22nd Oct 2021	PF/FW	Awareness programmes regarding children and malnutrition	HomeScience/ FST	Women & child care	01	On Campus	0	19	0	-	-	-	0	19	0
18th Oct 2021	Rural Youth	Training & pruning of apple orchards on scientific guidelines	Fruit Science	Training & pruning	01	On Campus	28	0	28	-	-	-	28	0	28
5th – 7th Oct 2021	Rural Youth	Scientific cultivation of Button Mushroom	Plant Protection	Button Mushroom	03	On Campus	15	0	15	-	-	-	15	0	15
20th Oct 2021	Rural Youth	Processing and preservation of fruits and vegetables	HomeScience	Value addition	01	On Campus	0	16	16	-	-	-	0	16	16
11th – 13th Oct 2021	In-service Programme	Training programme for Anganwari workers on 'Health and Nutrition' and preparation of Poshtik ladu -a low cost nutritious recipe.	HomeScience	Design & Dev. of low cost nutritious recipe.	03	On Campus	0	20	20	-	-	-	0	20	20
8th – 12th Oct 2021 Sponsored Programmes	(under NMSA in collaboration with CAO Pulwama)	Training programme on Balanced use of fertilizers/ soil health management	Soil science	Soil fertility management	05	On Campus	80	0	80	-	-	-	80	0	80

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	No. of participants			Number of SC/ST			Total number of participants		
Nov 2021							**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
22nd Nov 2021	PF/FW	Nutritional security through crop diversification	Olericulture	Crop Diversification	01	On Campus	20	0	20	-	-	-	20	0	20
3rd-5th Nov 2021	PF/FW	Improved Agronomic practices for Rabi pulses (Lentil & Pea)	Crop production	ICM	01	On Campus	25	8	33	-	-	-	25	8	33
22nd Nov 2021	PF/FW	Inter-cultivation of garlic under horti-agro ecosystem.	Agroforestry	Intercroping	03	Chakoura	19	0	19	-	-	-	19	0	19
2nd & 9th Nov 2021	Rural Youth	Value addition of fruits and vegetables	Homescience/ FST	Value addition	03	On Campus	0	14	14	-	-	-	0	14	14
9th-10th Nov 2021	Rural Youth	Scientific cultivation of Button Mushroom	Mushroom cultivation	Mushroom cultivation	03	On Campus	15	0	15	-	-	-	15	0	15
10th – 12th Nov 2021	Rural Youth	Training & pruning of apple orchards on scientific guidelines (Traditional & HDP)	Fruit science	Training & Pruning	01	On Campus	15	0	15	-	-	-	15	0	15
16th-18th Nov 2021	Rural Youth	Bulb production of major flower crops on scientific guidelines	Floriculture	Prod & Mgmt tech	01	On Campus	7	0	7	-	-	-	7	0	7
10th – 12th Nov 2021	Rural Youth	Rodent management in Apple orchards and Saffron fields.	Fruit science	Orchard Mgmt.	01	On Campus	10	0	10	-	-	-	10	0	10
29th Nov 2021– Ist Dec 2021	EF	Training and pruning of traditional and HD orchards	Fruit science	Training & Pruning	03	On Campus	12	0	12	-	-	-	12	0	12
10th Nov 2021 Sponsored Programmes	RY	Training programme on Balanced use of fertilizers/ soil health management	Soil Science	Soil conservation	03	On Campus	80	0	80	-	-	-	80	0	80
Dec 2021										-	-	-			
7th -9th Dec 2021	PF/FW	Strategy for keeping farmer saved own seed	Olericulture	Seed Production	03	On Campus	15	02	17	-	-	-	15	02	17
6th -8th Dec 2021	PF/FW	Integrated Nutrient Management in cole crops	Plant Protection	INM	03	On Campus	15	0	15	-	-	-	15	0	15
13th Dec 2021	PF/FW	Mgmt of rodents, white grub and other pests	Plant Protection	INM	03	On Campus	12	0	12	-	-	-	12	0	12

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	No. of participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
15th & 17th Dec 2021	Rural Youth	Disorder management in important vegetable crops	Olericulture	Production & Mgmt.	03	On Campus	15	0	15	-	-	-	15	0	15
7th-9th Dec 2021	Rural Youth	Production of quality wood material for wood-based industries.	Agroforestry	Production & Mgmt.	03	On Campus	15	0	15	-	-	-	15	0	15
15th & 17th Dec 2021	In-service Programme	Management of ketosis, milk fever and mastitis in cattle	Animal Science	Disease Mgmt.	03	On Campus	14	1	14	-	-	-	14	1	14
2nd Dec 2021	Sponsored Programme	Training & pruning of apple orchards (HD & Traditional) in collaboration with Dept. of Horticulture Pulwama.	Fruit science	Training & Pruning	01	On Campus	35	0	35	-	-	-	35	0	35
3rd Dec 2021	Sponsored Programme	Training programme for rural youth on canopy management of Apple in collaboration with Dept. of Horticulture Pulwama	Fruit science	Orchard Mgmt.	01	On Campus	19	0	19	-	-	-	19	0	19

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	No. of participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
Jan 2022										-	-	-			
6th Jan 2022	PF/FW	Integrated nutrient management in cole crops	Olericulture	Protective cultivation	01	On Campus	15	03	18	-	-	-	15	03	18
11th to 13th Jan 2022	PF/FW	Production of early season vegetables under protected structure	Olericulture	Protective cultivation	03	On Campus	15	-	15	-	-	-	15	-	15
20th Jan 2022	PF/FW	Orchard sanitation regarding IPM	Fruit science	Orchard sanitaion	01	On Campus	08	-	08	-	-	-	08	-	08
12th Jan 2022	PF/FW	Winter management of bee colonies	Plant Protection	Beekeeping	01	On Campus	03	-	03	-	-	-	03	-	03
12th -15th Jan 2022	PF/FW	Training programme on Vermicompost production techniques under capacity building of farmers through profitable dairy and livestock management	Animal science/soil science	Vermicomposting	03	n Campus	-	55	55	-	-	-	-	55	55
10th to 18th Jan 2022	RY	Organic farming, its importance in present scenario	Soil science	Organic farming	01	On Campus	10	01	10	-	-	-	10	01	10
6th to 7th Jan 2022	RY	Causes of soil pollution and their control measures	Soil science	Soil health	02	n Campus	15	03	18	-	-	-	15	03	18

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
5th to 7th Jan 2022	RY	Management of flower crops under protected structures on scientific guidelines	Floriculture	Prod. Mgmt tech	03	On Campus	08	-	08	-	-	-	08	-	08
5th to 7th Jan 2022	RY	Cultivation of agro-techniques of selected medicinal plants	Floriculture	Prod. Mgmt tech	03	On Campus	08	-	08	-	-	-	08	-	08
5th Jan 2022	RY	Packaging and drying of saffron	Floriculture	Prod. Mgmt tech	01	On Campus	15	-	15	-	-	-	15	-	15
12th to 14th Jan 2022	EP	Physiological disorders in different cut flower crops	Floriculture	Prod. Mgmt tech	03	On Campus	04	05	09	-	-	-	04	05	09
12th to 14th Jan 2022	EP	IDM of important pome and stone fruits under temperate conditions	Plant Protection	IDM	03	On Campus	05	05	10	-	-	-	05	05	10

Feb 2022										-	-	-			
9th – 11th Feb2022	PF/FW	Propagation techniques in walnut	Fruit science	Propagation under polyhouse	03	On Campus	18	0	18	-	-	-	18	0	18
8th to 10th Feb 2022	PF/FW	Training programme on Feed formation and fodder planning under capacity building of farmers through profitable dairy and livestock management	Animal Science	Feed mgmt	03	Trich	15	03	18	-	-	-	15	03	18
15th -17th Feb2022		Training programme on Scientific sheep & goat rearing under capacity building of farmers through profitable dairy and livestock management	Animal Science	Sheep Mgmt	3	Malangpora	40	-	40	-	-	-	40	-	40
16th -18th Feb2022	RY	Walnut grafting under Polyhouse conditions	Fruit science	Budding & Grafting	03	On Campus	14	0	14	-	-	-	14	0	14
16th -18th Feb2022	RY	Raising of healthy vegetable nurseries under protected structures	Olericulture	Nursery Raising	03	Wasoura	0	15	15	-	-	-	0	15	15
1st -5th Feb2022	Vocational	Setting of small scale vermi - composting unit	Soil Science	Vermicomposting	05	Gangoo,Trich, Malangpora	10	02	12	-	-	-	10	02	12
26th – 28th Feb2022	EP	Raising of healthy vegetable nurseries under protected structures	Olericulture	Production mgt.	03	On Campus	15	0	15	-	-	-	15	0	15
26th – 28th	EP	IDM of Paddy under Kashmir conditions.	Plant Protection	IDM	03	On Campus	15	0	15	-	-	-	15	0	15

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
March															
24th March 2022	PF/FW	Effect of cooking on nutritive value of foods	Homescience/ FST	Minimization of nutrient loss in processing	01	Oncampus	0	11	11	-	-	-	0	11	11
14th-16th March2022	PF/FW	Improved agronomic practices for maize	Crop Production	ICM	03	Oncampus	25	0	25	-	-	-	25	0	25
10th – 11th March2022	PF/FW	Nutrient Management In fruit and Kharif cereal crops	Soil science	Nutrient Management	03	Renzipora	20	0	20	-	-	-	20	0	20
2nd-4th March2022	PF/FW	Seed production technology of Maize	Crop Production	Seed Production	03	Naristhan & Gulshanpora Tral	15	0	15	-	-	-	15	0	15
15th – 17th March2022	PF/FW	Training programme entitled 'Role of balanced diet & vaccination in small ruminants' under capacity building of farmers through profitable dairy and livestock management	Animal Science	Diary Mgmt	03	oncampus	40	0	40	-	-	-	40	0	40
22nd March 2022	RY	Processing as sustainable livelihood source for rural youth	FST//PHT/ Home Science	Entrepreneurship development	01	oncampus	0	17	17	-	-	-	0	17	17
2nd March 2022	RY	Value addition of fruits	FST//PHT/ Home Science	Value addition	01	oncampus	0	16	16	-	-	-	0	16	16
3rd-31st March2022	RY	Training programme on Crochet work	FST//PHT/ Home Science	Entrepreneurship development	01	oncampus	0	7	07	-	-	-	0	7	07
8th-14th March2022	Vocational	STRY programme on Button Mushroom cultivation			01	oncampus	28	0	28	-	-	-	28	0	28
17th-23rd March2022	Vocational	STRY Programme on Beekeeping as commercial Enterprise	Plant Protection	Entrepreneurship development	06	oncampus	26	0	26	-	-	-	26	0	26
25th-31st March 2022	Vocational	STRY Programme on value addition of fruits and vegetables	Homescience/ FST	value addition	07	oncampus	0	25	25	-	-	-	0	25	25

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							M	F	T	M	F	T	M	F	T
24th March 2022	EP	Management of gastro-intestinal nematodiasis in small ruminants	Animal Science	Disease management	01	oncampus	0	17	17	-	-	-	0	17	17
11th March 2022	EP	Drying & dehydration	Homescience/ FST	Value addition	01	oncampus	0	21	21	-	-	-	0	21	21
23rd March 2022	EP	Processing & preservation of fruits and vegetables	Homescience/ FST	Value addition	01	oncampus	0	17	17	-	-	-	0	17	17
24th March 2022	Sponsored Prog. (organised by TFHA-NMSHE ,Division of Soil Science, FOH SKUAST-K)	Two days workshop on Farmer Perspectives on Soil Health under Changing Climate	-	Climate change	01	oncampus	0	22	22	-	-	-	0	22	22
17th March 2022	Division of Environmental Science under DST	Training programme entitled ‘climate resilient Agriculture-Adoption & Mitigation	-	-	01	oncampus	18	0	18	-	-	-	18	0	18