ICAR-ATARI – Zone-I, Ludhiana

PROFORMA FOR ACTION PLAN 2023 (January – December 2023) of KVK Srinagar (SKUAST-Kashmir)

ICAR-ATARI – Zone-I, Ludhiana

PROFORMA FOR ACTION PLAN OF KVKs IN ZONE I FOR 2023

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra Srinagar, (SKUAST-K) Near Railway Station Peerbagh Srinagar, Jammu and Kashmir. Mobile: 7006202687 kvksrinagar786@gmail.com
1.2	Name and address of host organization	:	Sher- e- Kashmir University of Agricultural Sciences and Technology of Kashmir, Shalimar Srinagar.
1.3	Year of sanction	:	2003
1.4	Website address of KVK and date of last update		www.kvksrinagar.org Date: 31-01-2023

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.1							
2.2							
2.3							
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2.15							
2.16							

3. Details of SAC meeting conducted during 2022

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2023
3.1	**26-04-2022**	Hon'ble Chairman directed that KVK in collaboration with various line departments and SKUAST-K should combinely work out the possibilities of modern technologies to be adopted to increase the returns as compared to existing technology. He also desired that before starting any activity targets	To increase the returns of the farming community KVK laid 291 FLDs on different high yielding crops with the following breakup. (40) number of FLDs in Paddy Var. SR-4, (60) FLDs in Pulses var. Shalimar Rajmash-1, (100) FLDs in Oilseeds, var. Shalimar Sarsoon-2, (66) FLDs in Field Pea and (25) FLDs in Oats var. Shalimar Fodder Oats-3 Other technologies like canopy management in fruits,	**April 2023**

		should be fixed and accordingly necessary interventions should be taken.	pest and disease management of different crops, water harvesting techniques etc. are also being carried out in collaboration with concerned line departments.	
3.2		Hon'ble Chairman directed to start the whatsapp group of farmers for providing information of agri activities and incorporate the contact numbers of soil testing laboratory owners in the group.	Whatsapp group of (300) farmers has been formulated by this KVK, who work in close coordination with this KVK and contacts numbers of owners of the soil testing laboratory have also been added.	
3.3		Hon'ble Chairman directed to prepare month/season-wise booklets regarding kitchen gardening practices and also desired that vegetable seedlings should be made available for them at KVK Campus.	Vegetable seedlings of both Rabi and Kharif vegetables are being provided to the farmers and to those who have a kitchen garden as well. In the year 2022-23, about 15000 vegetable seedlings have been provided to the farmers. Booklet regarding kitchen gardening has also been prepared and shall be made available to the farmers after reviewed from Directorate of Extension, SKUAST-K.	
3.4		Hon'ble Chairman directed to follow monitorable indicators such as how many people have started their kitchen gardening and floriculture activities after consultations with KVK Scientists.	After consultations with KVK scientists, more than 95 people have started kitchen gardening of vegetables along with flowers and fruits.	
3.5		Hon'ble Chairman emphasized on empowerment in Shari-i- Khas areas through value addition of fruits and vegetables and other related activities.	Two training programmes regarding value addition of fruits and vegetables have been conducted in Zainakadal and Nowhatta areas of Sheri Khas.	
3.6		Hon'ble Chairman directed to prepare a detailed report on land holding size of different people according following four groups so that a comprehensive plan is formulated for different agri activities. (i) People having 5-10 Marlas of land (ii) People having 1-2 kanals of land (iii) People having 2-5 kanals of land (iv) People having more than 5 kanals of land	As per the survey conducted it has been observed that people living in civil line areas and Sheri Khas have kitchen garden over an area of 1-5 Marla's. In the rural areas of the district Srinagar maximum farmers have a land holding of 10 Marla's to 5 Kanals, where as few farmers in each village have a land holding size of above 5 Kanals.	
3.7		Worthy Director Extension emphasized on formation of Farmer Produce Organization (FPO).	One FPO on sheep farming has been registered by this KVK under company act. The registration of Two more FPOs is under process.	
3.8		Worthy Director Extension directed that focus of the activities of the KVK should be to address various challenges faced by the city people particularly in segregation of kitchen waste for composting to promote organic input production.	KVK demonstrated homestead innovative technology for kitchen waste decomposition using smart kitchen dustbins and disseminated awareness regarding the segregation of different waste materials for effective composting of biodegradable wastes for promotion of organic farming and scientific disposal of non-biodegradable wastes.	
3.9		Worthy Director Extension directed to prepare a hydroponics model at KVK Campus for demonstration purposes.	Establishing of a Hydroponic model is under progress, supply order in this regard has been placed to Division of Engineering, SKUAST-K.	

3.10		Worthy Director Extension stressed for popularization of backyard poultry by providing quality birds and demonstration on balanced feeding in winter	Backyard poultry is being popularized through FLDs and this year KVK laid 10 number FLDs wherein (250) birds have been distributed among farmers.	
3.11		Chief Horticulture Officer Srinagar desired that KVK should conduct the capacity building training programme on canopy management of fruit trees for field functionaries of their department.	07 days Canopy Management programme has been conducted in collaboration with Division of Fruit Sciences, SKUAST-Kashmir in which 30 trainees participated.	
3.12		Chief Agriculture Officer Srinagar suggest that KVK should involve	All FLDs and OFTs have been laid in collaboration with the officers of the concerned line departments.	

		officers of the department while laying out FLD's and OFT's and should arrange various awareness programmes for field functionaries of the department.		

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	HDP	CITH	Nearby ICAR institute and highly equipped with required infrastructure facilities.
4.1.2	Marketing strategies of agriculture crops	NIAM Jaipur	For better revenue of farmers produce for their economic upliftment
4.1.3	Hi-Tech interventions in fruit & flower production	IARI New Delhi/UHF Solan (H.P)	To get exposed to latest horticulture techniques
	Organic farming	IARI New Delhi	For the promotion of organic farming
4.1.4	Practical training in operating Mridaparikshak soil testing Kit	Bhopal	-
4.1.5	General management programme for women scientists	Administrative staff college of India, Hyderabad	For capacity building of women scientists-
4.1.6	Application of ICT in Agriculture	NAARM, Hyderabad	-

4.2. Cross-learning across KVKs

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring - Pulwama, Ganderbal, Budgam	Development of apple based cropping system with spices and condiments, vegetables and legumes
4.2.2	Within the zone - Patiala, Kullu, Jhajar	Clean milk production and processing of dairy products. Supplementary sources of income for farm women, Promoting cultivation of Medicinal and aromatic plants. Bee keeping as an enterprise, food processing as an emerging social enterprise.
4.2.3	Outside zone – Bubelashwar (Maharashtra).North Goa	Organic insecticides, value addition in fuits and vegetables.

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities

S. No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	Shopian, Budgam, Ganderbal	Raising of Clonal rootstocks, revival of Ambri apple, cultivation of maize under rainfed conditions, strawberry cultivation, improved breeds of poultry	To gain expertise in the subject matter and resources in consultation with one another
5.2			

6. Operational areas details proposed

S. No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	Paddy	Paddy blast, insect pest and disease management, Nursery failure	25-40%	Lasjan, Shankerpora, Burzhama, Tailbal	Awareness, trainings and FLDs
6.2	Oilseeds	Poor germination due to low moisture content at sowing	30-40%	Danihama, Mulnar, Harwan	trainings and FLDs
6.3	Horticulture	Pollination problem, Apple scab, root rot, insect pest management, Faulty training & pruning, propagation	20-30% 30-40% 30-40%	Darbagh, Harwan Theed, Faqirgujri	Training, FLDs, OFTs
6.4	Vegetables	Cultivation of off season vegetables techniques	30-40%	Noorbagh, Sunglipora, Krishbal, Budiwadur, Maloora, Ranbirgarh, Panzinara	Trainings
6.5	Maize	Low yield	30-40%	Faqirgujri, Mulnar, Check Khonmoh	FLD for Popularization of HYV.
6.6	Pulses	Low yield	25-30%	Khonmoh, Dara, Dardkhover	FLDs
6.7	Cherry	Cracking	40-50%	Dara Dardkhover	OFT
6.8					

* Support with problem-cause and interventions diagram

7. Technology Assessment during 2023

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1	Tomato	Poor shelf life of tomato	Shrink wrap packing of tomato for extension of shelf-life under ambient and refrigerated conditions	T1: Farmer's Practice T2:Packaging using shrink wrap at ambient and refrigerated conditions	ICAR	Shrink wrap	Retail packs of 0.5 kg with three replicas and three trail	300	03	900	Shelf life Physiological loss in weight (PLW) Color Firmness Sensory Analysis	Dr. Aasima Rafiq Dr. Siama Paul Dr. Sajad Mohiuddin
7.2	Bottle guard	Blackening of Bottle guard during drying	Effect of pre-treatment on drying of Bottle guard in open sun drying	T1: Farmer's Practice T2:Dipping in 0.2 % KMS or 2-2.5% salt solution and open Sun Drying	SKUAST-K	Dipping in 0.2 % KMS Or 2-2.5% salt solution	5 kg per trail	500	03	1500	Shelf life Color Rehydration Ratio Sensory Analysis	Dr. Aasima Rafiq Dr. Siama Paul Dr. Rayees Malik Dr. Gazanfer Gani
7.3	Vegetables	Lack of low cost Storage facility	Storage of Fruits and Vegetables using Low Cost Energy Saving Storage Structures	T1: Farmer's Practice T2:Storage in ZECC	SKUAST-K	Storage in ZECC		10,000	02	20000	Shelf life Physiological loss in weight (PLW) Color Firmness	Dr. Aasima Rafiq Dr. Siama Paul Dr. Uzma Bashir Dr. Rayees Wani
7.4	Pea (Garden pea)	Lack of scientific awareness about management, of pea pod borer in pea.	Management of Pod borer (Helicoverpa armigera) in Pea	T1: Farmers practice (ploughing and host plants removal) T2: Dimethoate 30EC (100ml) T3: Chloropyriphos 20EC @ 1ml/liter water	SKUAST-K	1: Chloropyriphos (at recommended rate as per SKUAST-K) 2: Dimethoate (at the recommended rate as per SKUAST-K	Seeds: 4kg @150 Chloropyriphos =100 (RS=100) ml Dimethoate= 100 ml (Rs=90)	1100	03	3300	1:Yield (kg/ha) 2:Healthy seed count,	Dr Showkat Ahmad Dr. Sajad Mohiuddin
7.5	Potato (Kufri Jyoti)	Poor awareness about its management.	Management of Early Blight of potato	T1: Farmers practice (Weeding and removal of alternate hosts/rotten seeds/ previous year plant residues) T2: Metalaxyl @ 2ml/liter	SKUAST-K	Metalaxyl 25 WP (at recommended rate as per SKUAST-K) @0.8ml/liter	30 kg @25/kg =750; Metalaxyl=38-40 g/kanal Total cost: 25	1050	03	3150	1:Yield (kg/ha) 2:Disease incidence 3: % control over treatment	Dr Showkat Ahmad Dr. Sajad Mohiuddin
7.6	Pot/House plants	Poor winter management	Winter management of pot/house plants	T1:-No/least winter	SKUAST-Kashmir	Polyethylene Film (Cladding	(25x15)"	1000	03	3000	Mortality rate% and regeneration	Dr Gazanfer Gani Dr. Aasima Rafiq

				Management (Farmers Practice) Technology to be Demonstrated: T2 : Use of low cost poly tunnel for winter management of pot plants T3: Pot plants under low cost poly tunnel +protection of root area with mulch (Straw, Cocopeat or dried leaves)		material)					rate%	Dr. Sajad Mohiuddin
7.7	Annual Hybrid Salvia	Poor Germination	Nursery raising of annuals/seasonal (Hybrid) on scientific guidelines	T1:-Unscientific Seed Sowing (Farmers practice) Technology to be Demonstrated: T2 : Seed Sowing at optimum depths using soilless media	SKUAST-Kashmir	Seed	01 packet of 1000 seeds	1500	03	4500	Germination % and Mortality up to transplanting %	Dr Gazanfer Gani Dr. Malik Rais Dr. Sajad Mohiuddin
7.8	Apple	1.Biennial bearing 2.Low Yield 3.Poor quality	Assessment of different post bloom chemical thinners on the regularity of bearing and quality of apple under high density plantations	T1: Farmers practice (No thinning) T2: NAA (Naphthalene Acetic Acid) @ 10-15 mg/litre, 7-10 days after petal fall for thinning	SKUAST-Kashmir	1.NAA (Naphthalene Acetic Acid) 2. Trial shall be conducted at farmer's field by KVK Team	50 g	Rs. 2500	03	7500	Fruit Yield	Dr. Rayees Wani Dr. Sajad Mohiuddin Dr. Ashiq Pandith Professor Division of Fruit Science, Mrs. Abida HDO Shalimar
7.9	Cherry	1.Poor Fruit Quality 2. Poor shelf life	Foliar application of Calcium for improving quality and storability of Cherry	T1= Farmers Practice (No Spray) T2 = Three foliar spray of Calcium @0.3% (3g/litre) First Spray= Four weeks after full bloom (Last week of April) 2nd Spray= Third week of May 3rd Spray= 1st week of June	SKUAST-Kashmir	1.Calcium 2. Trial shall be conducted at farmer's field by KVK Team	100g	Rs. 2500	03	7500	Fruit Yield and fruit quality	Dr. Rayees Wani Dr. Sajad Mohiuddin Dr. Ashiq Pandith Professor Division of Fruit Science, Mrs. Abida HDO Shalimar

7.10	Soil	Un balanced application of fertilizers and not as per the Soil Health Card	Adoption of soil Health card (SHC) by Farmers	T1- Farmers Practice T2- Fertilizer Recommendations on the basis of Soil Health Card	SKUAST- K	1.Seed 2. Fertilizer	1. 1kg seed 2. Fertilizers on the basis of soil test	Rs 700	03	2100	1.Yield and Yield Attributing Characters 2.Soil Physico Chemical properties	Dr Uzma Bashir and Team
7.11	Crop (Maize)	Yield reduction in Maize due to lack of nutrients and poor quality of seed.	Assessment of effect of Integrated Nutrient management on Maize yield of Quality Protein Maize in higher belts. Variety : Vivak 59	T1- Farmers Practice T2- Recommendations of the nutrients as per the package of practice	SKUAST- K	1.Seed 2. Fertilizer	05 kg seed	Rs 700	03	2100	Yield and quality parameters of maize	Dr Uzma Bashir and Team
7.12	Pulse	Heavy weed infestation in peas	Assessment of Suitable weedicide for weed control in Peas	T0- Farmers Practice T1- Pre-emergence Pendimethaline T2- Pre-emergence Pendimethaline + post- emergence Imazathyper + imazamox	SKUAST-K	Weedicide	500 gm each	1000	03	3000	%age of weed control	Dr Uzma Bashir and Team
7.13	Cereals	Maize	Varietal Assessment of Quality Protein maize for value addition	T0- Local T1- QPM Variety Vivak 59 T2- QPM var. Shalimar QPMH	SKUAST-K	Seeds	05 kg Each	1000	03	3000	Yield and quality parameters	Dr Uzma Bashir and Team
7.14	Livestock	Mastitis	Post milking teat dipping	T0: farmers Practice T:1 Glycerine +Iodine Teat Dip	SKUAST K	Teat dip	05 litres	1000	10	10000	Incidence of mastitis	Dr. Malik Raies Dr. Sajad Mohiuddin
7.15	Livestock	Low body weight gain	Impact of feeding Creep ration on the performance of lambs	T0: Farmers Practice T1: Creep Feed	SKUAST K	Creep feed	10 kg	3500	10	35000	Body weight gain	Dr. Malik Raies Dr. Sajad Mohiuddin
7.16	Fodder production	Scarcity of fodder	Fodder biomass and nutritive value of KDFM-6 fodder maize /Sanfoin	T0: Farmers Practice T1: Scientific Package of Practices for Fodder Maize	SKUAST K	Maize seed (KDFM 6)	20 kg	400	15	6000	Fodder yield and nutritive value	Dr. Malik Raies Dr. Sajad Mohiuddin Dr Gazanfer

8. Technology Refinement during 2023:

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
8.1	Composting / vermicomposting	Prolonged decomposition rate and poor quality compost	Popularization of vermicomposting as an enterprise	Vermiculture	SKUAST _K	Vermiculture	3 kg / trial	Rs 5000	03	15000	1.Quality of the compost 2. Duration of composting	Dr Uzma Bashir and Team
	Bio mediated composting	Soil and water pollution	Solid Waste Management using Shalimar Microbes	Shalimar microbes	SKUAST _K	Shalimar Microbes	2 to 3 litres	Rs1500	03	4500	1.Quality of the compost 2. Duration of composting	Dr Uzma Bashir and Team
8.2												
8.3												

9. Frontline Demonstrations during 2023

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
9.1	Cereals	Multi grain Atta	Poor nutrient management in families	Formulation of Multi grain Atta for making chapattis at household	Commercially Available varieties	Commercially Available varieties	ICAR	Multigrain Atta	15 kgs of multigrain/demo	1500	02	3000	Body Mass Index Decreasing rate of deficiency diseases Sensory Score Overall Acceptability	Dr. Aasima Rafiq Dr. Siama Paul Dr. Gazanfer Dr. Sajad Mohiuddin
		Maize	Low Yield	Popularization and horizontal expansion of latest variety of maize	SMC-4	SMC-4	SKUAST-K	Seed	2*4= 08 kg	1500	20	30,000	Yield and Yield attributing characters	Dr. Uzma Bashir Dr. Rayees Ah. Dr. Sajad Mohiuddin
		Paddy	Low Yield	Popularization and horizontal expansion of latest variety of paddy	SR-4	SR-4	SKUAST-K	Seed	3*8=24 kg	2000	30	60,000	Yield and Yield attributing characters	Dr. Uzma Bashir Dr. Rayees Ah. Dr. Sajad Mohiuddin

9.2	Millets	Millets Flour	Underutilization of millet	Millet based recipes	Commercially Available varieties	Commercially Available varieties	ICAR	Addition of Millet flour in preparation of variety of products	1-2 kg	3000	02	6000	Sensory Score Overall Acceptability	Dr. Aasima Rafiq Dr. Siama Paul Dr. Malik Rais Dr. Sajad Mohiuddin
9.3	Oilseeds	Brown Sarson	Less adoptability	Popularization and horizontal expansion of latest variety of oilseeds	SS-2	SS-2	SKUAST-K	Seed	0.5*4= 2 kg	1200	20	24,000	Yield and Yield attributing characters	Dr. Uzma Bashir Dr. Rayees Ah. Dr. Sajad Mohiuddin
9.4	Pulses													
9.5	Commercial crops													
9.6	Horticultural crops	Apple (Traditional Orchards)	Lack of information about the scientific methods and formulations of using recommended dosages and proper timing of pesticides in apple orchards	Scientific methods of following the proper Spray Schedule aimed at to control the yield loss by diseases and pests Popularization of spray schedule as per the guidelines of SKUAST-K	Apple (Red delicious)	Red delicious	SKUAST-K	Spray schedule - 2023 (SKUAST-K, Recommended)	Input chemicals would be as per spray schedule 2023 (awaited)	6500	03	19500	1:Insect Pest management 2:Disease control 3.Quility Yield	Dr Showkat Ahmad Dr. Sajad Mohiuddin
		Landscape Plants	Poor rooting of propagatory material (Cuttings)	Popularization of rooting hormone (IBA) among the nursery growers of the district Srinagar	-	-	SKUAST-Kashmir	IBA	5g IBA	1000	10	10,000	Propagation coefficient	Dr. Gazanfer Gani Dr. Malik Rais Dr. Aasima Rafiq Dr. Sajad Mohiuddin
		Flower and vegetable crops	Non-Availability of land for growing of crops	Introduction and Popularization of vertical gardening concept into the urban areas	-	-	SKUAST-Kashmir	Frame, hanging pots and planting material	Frame of 30 pots capacity	3000	10	30,000	Vertical expansion of gardening	Dr. Gazanfer Gani Dr. Malik Rais Dr. Aasima Rafiq Dr. Sajad Mohiuddin
		Apple	Poor Fruit set, Yield and Quality	Foliar Spray of Boron and Bouquet pollination on fruit set in apple	Red Delicious	Red Delicious	SKUAST-K	Boron 2.Trial shall be conducted at farmer's field by KVK	Boron 100g 2.Trial shall be conducted at farmer's field	4000	03	12000	Fruit set (%), Yield (Kg/tree) Quality(% grades) Economic	Dr. Rayees Ah. Dr. Sajad Mohiuddin Concerned HDO of FLD area

								Team	by KVK Team				Returns	
		Apple	Poor fruit quality	Impact of foliar application of potassium sulphate on colour development in apple	Red Delicious	Red Delicious	SKUAST-K	1. Potassium Sulphate 2.Trial shall be conducted at farmer's field by KVK Team	1. Potassium Sulphate 100g 2.Trial shall be conducted at farmer's field by KVK Team	3500	03	10500	Fruit color, Yield and Economics	Dr. Rayees Ah. Dr. Sajad Mohiuddin Concerned HDO of FLD area
9.7	Livestock	Poultry	Low body weight gain	Back yard poultry farming	Hybrid	Key stone golden/ vanraja	SKUAST K	Poultry	10	1200	50	60000	Body weight gain Egg production	Dr. Malik Raies Dr. Sajad Mohiuddin Dr. Saima Paul
		Cattle	Mineral deficiency	Mineral mixture	-	Area Specific mineral mixture	SKUAST K	Mineral Mixture	05 kg	2000	30	60000	Milk production body condition score	Dr. Malik Raies Dr. Sajad Mohiuddin Dr. Saima Paul
9.8	Fisheries													
9.9	Others	Walnut Kernal	Poor shelf life	Vacuum packaging for shelf life extension of walnut kernels	Commercially Available varieties	Commercially Available varieties	SKUAST-K	Vacuum packaging	0.5kg/pack with three replica	3000	02	6000	Sensory Score Overall acceptability	Dr. Aasima Rafiq Dr. Siama Paul Dr. Uzma Bashir Dr. Rayees Wani
		Waste Management	Faulty disposal of waste leading to pollution	Vermi-composting	-	-	SKUAST K	Earth Worms	03 kg	3000	10	30000	Revenue generation	Dr. Malik Raies Dr. Sajad Mohiuddin Dr Uzma Bashir
9.10		Nutri-garden	Poor Nutrient Management	Nutri-Garden for better Management of health	-	-	ICAR	Nutri-garden	14*14 Plot Size	2500	03	7500	Over acceptability and adoptability	Dr. Aasima Rafiq Dr. Siama Paul Dr. Uzma Bashir Dr. Rayees Wani Dr. Sajad Mohiuddin

10 Training for Farmers/ Farm Women during 2023

S. No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/ FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Paddy	Nursery Failure	Assessment	Latest techniques of paddy nursery raising (Mat, Protected and SRI)	02	20-25	Dr. Uzma Bashir and Team
		Paddy	Expensive labour	Assessment	Scientific transplanting of paddy (Mechanized , SRI)	02	20-25	Dr. Uzma Bashir and Team
		Maize	Low yield and proper cultivation practices not followed	Assessment	Maize cultivation under rain fed and Irrigated condition	02	20-25	Dr. Uzma Bashir and Team

		Pulse	Low yield	Assessment	Pulse Production on scientific lines	02	20-25	Dr. Uzma Bashir and Team
		Paddy	Lack of Knowledge	Assessment	Strategies for farmers to save their own seed	02	20-25	Dr. Uzma Bashir and Team
		Oats	Low yield	Assessment	Scientific cultivation of oats	02	20-25	Dr. Uzma Bashir and Team
		Fodder	Unawareness about preservation techniques	Assessment	Silage Making	02	20-25	Dr. Uzma Bashir and Team
		Maize	Diversification of Crops	Assessment	Introduction of sweet corn, pop corn and baby corn to farmers	02	20-25	Dr. Uzma Bashir and Team
		Agro met advisory services	Crop failure/losses of resources due to weather vagaries	Assessment	Awareness programmes on Agro met advisory services	02	20-25	Dr. Uzma Bashir and Team
		Cereals	Weed Infestation	Assessment	Weed management in cereals crops	02	20-25	Dr. Uzma Bashir and Team
		Oil Seeds	Low Adoption	Assessment	Scientific cultivation of Brown Sarson and Sunflower	02	20-25	Dr. Uzma Bashir and Team
10.2	Horticulture Production	Floriculture	Lack of Awareness	Assessment	General awareness regarding potential of floriculture	01	20-30	Dr. Gazanfer Gani
		Annuals/Seasonal	Poor Germination/ Quality	Assessment	Nursery raising of summer and winter annuals (Hybrid)	01	20-30	Dr. Gazanfer Gani
		Landscape plants	Lack of Technical knowhow /Awareness	Assessment	Importance of Rooting/mist chamber for the propagation of landscape plants on commercial scale	01	10-15	Dr. Gazanfer Gani
		Ornamentals	Lack of know how	FLD	Home landscaping	01	15-20	Dr. Gazanfer Gani
		Turf Grass	-do-	Assessment	Lawn making and its management	01	15-20	Dr. Gazanfer Gani
		Pot/house plants	-do	Assessment	Scientific management of pot/ house plants	01	15-20	Dr. Gazanfer Gani
		Flower/Vegetable crops	-do	FLD	Vertical gardening: A way ahead for green environment	01	20-30	Dr. Gazanfer Gani
		Pome fruit crops	Nursery Management	Assessment	Raising of quality planting material of Pome fruit crops	01	20-30	Dr. Rayees Ahmad Wani
		Nut Fruit Crops	Nursery Management	Assessment	Raising of Quality planting material of walnut fruit trees	01	20-30	Dr. Rayees Ahmad Wani
		Stone fruit crops	Nursery Management	Assessment	Raising of Quality planting material of stone fruit crops	01	20-30	Dr. Rayees Ahmad Wani
		Temperate Fruit crops	Nursery Management	Assessment	Grafting techniques in temperate fruit Trees	01	20-30	Dr. Rayees Ahmad Wani
		Temperate Fruit crops	Orchard layout	Assessment	Scientific layout of fruit orchards	01	20-30	Dr. Rayees Ahmad Wani
		Apple	Crop Production	Assessment	Scientific know-how on High density orchards in Apple	01	20-30	Dr. Rayees Ahmad Wani
		Temperate Fruit crops	Crop Production	Assessment	Importance of Drip irrigation in high density orchards of fruit crops	01	20-30	Dr. Rayees Ahmad Wani
		Apple	Crop Improvement	Assessment	Importance of pollination in fruit plants	01	20-30	Dr. Rayees Ahmad Dr. Sajad Mohiuddin
		All temperate fruit crops	Crop Nutrition	Assessment	Importance of Leaf analysis technique for collection of leaf samples	01	20-30	Dr. Rayees Ahmad Dr. Sajad Mohiuddin

								Dr. Uzma
		Cherry	Crop Improvement	Assessment	Awareness programme on management of cherry cracking	02	20-30	Dr. Rayees Ahmad
		Apple	Canopy Management	Assessment	Training programme on Summer pruning in fruit crops	02	20-30	Dr. Rayees Ahmad
		Apple	Post-Harvest management	Assessment	Training programme on grading, packing and handling of fruits in collaboration with Division of Food Science and Technology SKUAST-K	03	20-30	Dr. Rayees Ahmad Dr. Aasima Rafiq
		Apple	Canopy Management	Assessment	Training programme on appropriate measures for upscaling canopy management of fruit crops at District level to reduce losses due to aberrant weather /untimely snowfall in Collaboration with Horticulture Department	03	20-30	Dr. Rayees Ahmad
10.3	Livestock Production	Cattle/sheep	Production Loss	Assessment	Preparation of balanced ration for livestock	01	25	Dr. Malik Raies Dr. Sajad Mohiuddin
		Fodder /production	Fodder Scarcity	Assessment	Preservation of fodder through hay and silage making	01	25	Dr. Malik Raies Dr. Sajad Mohiuddin Dr Gazanfer Gani
10.4	Home Science	Millets	Underutilized millet	FLD	Value added Products of Millets	02	15-20	Dr. Aasima Rafiq Dr. Siama Paul
		Balanced diet	Improper Nutrition	Assessment	Formulation of balanced diet	02	15-20	Dr. Aasima Rafiq Dr. Siama Paul
		Disease control	Lack of knowledge about therapeutic effects of different diseases	Assessment	Therapeutic effects of different foods and ways to enhance them	02	25-30	Dr. Aasima Rafiq, Dr. Dr. Saima Paul, Dr. Dr. Sajad Mohuiddin
10.5	Plant Protection	Apple	Lack of awareness about pest control	Assessment	Integrated pest management of apple stem borer	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin Dr. Rayees Ahmad
		Apple, Rice & household	Damage to fruit plants and rice crop	Training cum demonstration	Control of rodents on scientific guidelines	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin
		Vegetables (Cruciferace)	Lack of awareness about sucking pests and their management	Assessment	Integrated pest management of aphids in vegetables	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin Dr. Rayees Ahmad
		Beans (pulses)	Insufficient awareness among farmers about cut worm (Agrotis spp.) etc. management	Assessment	Cultural control of insect pests of field crops	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin Dr. Rayees Ahmad
		Vegetable and fruit crops	To sensitize the farmers about organic control of various biotic factors responsible for yield loss	Assessment	Awareness about the use of Organic pesticides in Agriculture/horticulture sector	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin Dr. Rayees Ahmad
		Vegetable	Lack of awareness about disease management in	Assessment	Integrated disease management in Vegetables	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin Dr. Rayees Ahmad

			vegetables crops					
		Fruit crops	Poor fruit quality and loss	Training	Integrated disease and pest management of important temperate fruit crops	02	20-25	Dr Showket Ahmad Dr. Sajad Mohiuddin
		Cereal crops			Integrated disease and pest management of important cereal crops	02	25-23	Dr Showket Ahmad Dr. Sajad Mohiuddin
		Apple	Lack of awareness about management of leaf miner in apple orchards	Assessment	Integrated management of leaf miner	02	15-20	Dr Showket Ahmad Dr. Sajad Mohiuddin Dr. Rayees Ahmad
10.6	Production of Inputs at Site	Input use	Insufficient manure/fertilizer use and their low use efficiency	Refinement	Manuring and fertilizer management of field crop (Kharif/Rabi)	02	20 -25	Dr Uzma Bashir and Team
		Composting	Lack of Knowledge and skill on low cost composting practices	Refinement	On farm composting through improved techniques like Dal weed composting and vermicomposting	02	20 -25	Dr Uzma Bashir and Team
		Biofertilizer	Lack of Knowledge	Assessment	Handling, Preparation and application of biofertilizers	02	20 -25	Dr Uzma Bashir and Team
		Fruit/Vegetables	Secondary and Micro nutrient deficiencies in vegetable crops	Assessment	Macro and Micronutrient fertilizers and their applications and preparation of fertilizer solution for foliar spray in production of quality fruit and vegetables crops	02	20 -25	Dr Uzma Bashir and Team
10.7	Soil Health and Fertility	Field Crops	Low yield due to Imbalance fertilizer application	Refinement	Importance and use of soil test based fertilizer application for production of quality yield.	02	20 -25	Dr Uzma Bashir and Team
		Field /vegetable Crops	Unawareness about Organic Farming	Refinement	Importance of FYM, Green Manures, Enriched compost, vermicompost for soil health management	02	20 -25	Dr Uzma Bashir and Team
		Field/ Vegetable/ Fruit crops	Unawareness about bio-fertilizers	Refinement	Importance of bio-fertilizers in maintaining soil health	02	20 -25	Dr Uzma Bashir and Team
		Maize	Poor soil quality at high altitudes	Assessment	Soil quality enhancement of intensively cultivated maize field.	02	20 -25	Dr Uzma Bashir and Team
		Fruit Crops	Unawareness about symptoms of nutrient deficiencies	Refinement	Unawareness about symptoms of nutrient deficiencies	03	20 -25	Dr Uzma Bashir and Team
		Field/Fruit Crops	Soil sampling	Refinement	Soil Sampling Techniques for field and Plantation crops .	03	20 -25	Dr Uzma Bashir and Team
		Crop Diversification	Crop failure	Refinement	Integrated Farming System	03	20 -25	Dr Uzma Bashir and Team
		Soil	Soil Compaction	Assessment	Soil Management for optimum aeration	02	20 -25	Dr Uzma Bashir and Team
		Calcium	Wide spread calcium deficiency in apple	Assessment	Scientific and Organic Matter management for controlling Ca deficiency in apple orchard.	02	20-25	Dr Uzma Bashir and Team

10.8	PHT and value addition	Garlic	No value addition	Assessment	Value addition through preparation of Garlic Pickle and paste	01	20-25	Dr. Aasima Rafiq Dr. Uzma Bashir
		Tomato	Less Shelf life	Assessment	Value addition through preparation of Puree and dried tomato etc.	01	20-25	Dr. Aasima Rafiq Dr. Rayees Wani
		Mixed Fruits/strawberry/quince	Perishable commodity	Assessment	Preparation of Jam and Jelly at home scale level	01	20-25	Dr. Aasima Rafiq Dr. Sajad Mohiuddin
		Common vegetables	Perishable commodity	Assessment	Home scale level of preservation of common vegetables through pickling	01	20-25	Dr. Aasima Rafiq Dr. Rayees Wani
		Mushroom	Perishable commodity	Assessment	Home scale level of preservation of common vegetables through pickling and drying	01	15-20	Dr. Aasima Rafiq Dr. Siama Paul
		Lotus Stem	No value addition	Assessment	Scientific way of preservation of lotus stem	01	15-20	Dr. Aasima Rafiq Dr. Uzma Bashir
10.9	Capacity Building Group Dynamics							
10.10	Farm Mechanization							
10.11	Fisheries Production Technologies							
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture							
	Others, pl. specify							

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

11. Training for Rural Youth during 2023

S. No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/ FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production	Paddy	Nursery Failure	Assessment	Raising of Paddy nursery under Protected Condition	02	20-25	Dr. Uzma Bashir and Team
		Weather	Climate change	Assessment	Agromet advisory services	02	20-25	Dr. Uzma Bashir and Team
		Seed Production	Lack of Knowledge	Assessment	Strategies for farmers to save their own seed	02	20-25	Dr. Uzma Bashir and Team

11.2	Horticulture Production	Bulbous Flower Crops	Lack of technical know how	Assessment	Bulb production of major flower crops on scientific guidelines	03	10-15	Dr. Gazanfer Gani and Team
		Cut Flower Crops	Poor management	Assessment	Management of cut flower crops under protected structures on scientific guideline	03	10-15	Dr. Gazanfer Gani and Team
		Cut Flower Crops	Unscientific production	Assessment	Production of cut flowers under open field conditions on commercial scale	03	10-15	Dr. Gazanfer Gani and Team
		Pome fruit crops	Nursery Management	Assessment	Establishment of hi-tech nursery for Raising of quality planting material of Pome fruit trees for income generation of unemployed youth	02	20-25	Dr. Rayees Ahmad Wani
		Apple	Crop Improvement	Assessment	Scientific Bee Keeping for pollination management of Fruit crops	01	20-25	Dr. Rayees Ahmad Wani
		Apple	Crop Production	Assessment	Management of unfruitfulness and biannual bearing in fruit crops	01	20-25	Dr. Rayees Ahmad Wani
		Temperate fruit crops	Crop Management	Assessment	Capacity Building programme on Tree architecture and canopy management of fruit crops	01	20-25	Dr. Rayees Ahmad Wani
11.3	Livestock Production							
11.4	Home Science	Millets	Underutilized millet	FLD	Utilization of millet in day to day products for better nutrition	02	15- 20	Dr. Aasima Rafiq Dr. Siama Paul
		-	Destroying of important nutrients during cooking	Assessment	Training on different method of cooking without wastage of nutrients	01	15- 20	Dr. Aasima Rafiq Dr. Siama Paul
11.5	Plant Protection	Mushroom	Lack of technical knowhow	Assessment	Button mushroom cultivation	03	15-20	Dr Showkat Dr Sajad Mouhidden
		Beekeeping	Lack of technical knowhow	Assessment	Beekeeping as sustainable livelihood source for rural youth	03	15-20	Dr Showkat Dr Sajad Mouhidden
		Apple	Poor knowledge	Assessment	IPM for apple and other temperate fruits	03	15-20	Dr Showkat Dr Sajad Mouhidden
11.6	Production of Inputs at Site	Composting	Non Scientific Method of composting	Assessment	Production of Organic inputs on scientific lines for livelihood security and sustainable soil health maintenance	03	30 – 40	Dr Uzma Bashir and Team
		Composting	Improper Kitchen waste Disposal	Refinement	Use of bio bins for composting of kitchen waste	03	30 – 40	Dr Uzma Bashir and Team
11.7	Soil Health and Fertility	Crops	Unbalanced fertilizer application	Refinement	Soil Test based integrated Nutrient Management	03	30 – 40	Dr Uzma Bashir and Team
		Soil	Deteriorating Soil Health	Refinement	Zero Budget Natural farming	03	30 – 40	Dr Uzma Bashir and Team
11.8	PHT and value addition	Garlic	No value addition	Assessment	Value addition through preparation of Garlic Pickle and paste	01	20-25	Dr. Aasima Rafiq Dr. Uzma Bashir
		Carrot	Synthetic candy	Assessment	Value addition through preparation of carrot candy	01	20-25	Dr. Aasima Rafiq Dr. Abdul Rouf (Div. of FST)

		Niche Crop	Improper drying leads to Low quality	Assessment	Scientific Drying of niche crops to increase their commercial potential	02	20-25	Dr. Aasima Rafiq Dr. Siama Paul
		Dried vegetables	Cross contamination due to lack of proper packaging	Assessment	Scientific way of packing & storing of dried products	02	20-25	Dr. Aasima Rafiq Dr. Gazanfer Gani
		Mixed Fruits/strawberry /quince	Perishable commodity	Assessment	Scientific way of preparation of Jam and Jelly	01	20-25	Dr. Aasima Rafiq Dr. Abdul Rouf (Div.of FST)
		Common vegetables	Perishable commodity	Assessment	Scientific way of preparation of pickle for commercial purpose	01	20-25	Dr. Aasima Rafiq Dr. Abdul Rouf (Div.of FST)
		Peach	Perishable commodity	Assessment	Scientific way of preparation of Peach Nectar	01	20-25	Dr. Aasima Rafiq Dr. Abdul Rouf (Div.of FST)
		Lotus Stem	No value addition	Assessment	Scientific way of preservation of lotus stem	01	15-20	Dr. Aasima Rafiq Dr. Abdul Rouf (Div.of FST)
		Milk	Low returns on the produce	Assessment	Value addition of milk	01	25-30	Dr. Malik Raies Dr. Sajad Mohiuddin Dr. Saima Paul Dr. Aasima Rafiq
11.9	Capacity Building Group Dynamics							
11.10	Farm Mechanization							
11.11	Fisheries Production Technologies							
11.12	Mushroom production	Mushroom	Perishable commodity	Assessment	Scientific way of preparation of Mushroom	01	15-20	Dr. Aasima Rafiq Dr. Abdul Rouf (Div.of FST)
11.13	Agro forestry							
11.14	Bee Keeping	Beekeeping	Lack of awareness & low yield	Assessment	Scientific Methods of Beekeeping	01	25-30	Dr. Sajad Mohiuddin Dr. Showket Ahmad
11.15	Sericulture							
	Others, pl. specify	Cow dung	Faulty disposal of animals waste leading to pollution	FLD on Vermicomposting	Scientific disposal of farm animal waste. Through Vermicomposting	01	25	Dr. Malik Raies Dr. Sajad Mohiuddin Dr. Saima Paul Dr. UzmaBashir

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

12 Trainings for Extension Personnel during 2023

S. No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Recent advances in lying of paddy nursery	02	25-30	Dr. Uzma Bashir and Team
		Plant Geometry and water management in paddy	02	25-30	Dr. Uzma Bashir and Team
		Importance of fertilizer application at critical growth stages in cereal crops	02	25-30	Dr. Uzma Bashir and Team
		Cultivation techniques of oil seeds like brown sarson, sunflower and linseed	02	25-30	Dr. Uzma Bashir and Team
		Saffron Production Technology	02	25-30	Dr. Uzma Bashir and Team
		Strategy to Produce farmers own seed in cereal crops like Paddy, Maize, Oats and Oil seeds	02	25-30	Dr. Uzma Bashir and Team
12.2	Home Science	Importance of Balance diet in daily life	02	25-30	Dr. Saima Paul and Team
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Pest and disease management of major cut flower and other flower crops	03	15-20	Dr. Gazanfer Gani Dr. Mushtaq Ah. Bhat (Div. of Pathology)
		Management of different physiological disorders among major cut flower crops	03	15-20	Dr. Gazanfer Gani Dr. Raiz Ahmed Lone (Div. of Floriculture)
		Grading, packing, handling and marketing of fruits in collaboration with Division of FST, FOH SKUAST-K	03	20-25	Dr. Rayees Ahmad Wani Dr. Aasima Rafiq and HOD FST
		Successful Apple marketing in new Millennium in collaboration with Division of Economics FOH SKUAST-K	03	20-25	Dr. Rayees Ahmad Wani
		e-NAM in collaboration with Division of Economics SKUAST-K	02	20-25	Dr. Rayees Ahmad Wani
12.5	Livestock Production & Management	Management of repeat Breeding in dairy animals	01	25-30	Dr. Malik Raies, Dr. Sajad Mohiuddin Dr. Saima, Dr.Gazanfer
		Management of gastro-intestinal ematodiasis in small ruminants	01	25-30	Dr. Malik Raies, Dr. Sajad Mohiuddin Dr. Saima, Dr.Gazanfer
12.6	Plant Protection	IPM of Apple and other stone fruits under temperate conditions.	02	15-20	Dr. Showkat Ahmad Dr. Sajad Mouhidden
		Common insect pests of Paddy & mustard and their management	02	15-20	Dr. Showkat Ahmad Dr. Sajad Mouhidden
		Insect pest complex of vegetables & their management	02	15-20	Dr. Showkat Ahmad Dr. Sajad Mouhidden
12.7	Farm Mechanization				

12.8	PHT and value addition	Entrepreneur opportunities of Rural Youth for Establishing different Agro based products/ Agro processing and marketing of foods	01	30-35	Dr. Aasima Rafiq. Dr. Sajad Mohiuddin, Dr. Uzma Bashir, Dr. Saima Paul, Dr. Gazanfer Gani, Dr. Malik Rais, Dr. Rayees Wani
		Implementation of FSSAI for Marketing of Food Products	01	30-35	Dr. Aasima Rafiq. Dr. Sajad Mohiuddin, Dr. Uzma Bashir, Dr. Saima Paul, Dr. Gazanfer Gani, Dr. Malik Rais, Dr. Rayees Wani
		Post-harvest Management of Saffron	01	30-35	Dr. Aasima Rafiq. Dr. Sajad Mohiuddin, Dr. Uzma Bashir, Dr. Saima Paul, Dr. Gazanfer Gani, Dr. Malik Rais, Dr. Rayees Wani
12.9	Production of Inputs at Site	Nutrient use efficiency through 4R Nutrient Stewardship	02	35-40	Dr Uzma Bashir and Team
		On farm Composting of Dal Weed, Vermicompost, Vermiculture and Vermiwash and Its importance	02	35-40	Dr Uzma Bashir and Team
		Soil test based INM and Site specific nutrient management	02	35-40	Dr Uzma Bashir and Team
		Soil and water conservation measures in sloppy areas insitu to preserve fertility	02	35-40	Dr Uzma Bashir and Team
		Irrigation Management with the help of Soil moisture meter	02	35-40	Dr Uzma Bashir and Team
		Integrated Farming System	03	35-40	Dr Uzma Bashir and Team
		Macro and Micronutrient fertilizers and their applications and preparation of fertilizer solution for foliar spray in production of quality fruit /vegetables crops	02	35-40	Dr Uzma Bashir and Team
		Advances in Nutrient Management in field and fruit crops	02	35-40	Dr Uzma Bashir and Team
		Organic Vs Natural Farming	03	35-40	Dr Uzma Bashir and Team
		Organic Farming in sustaining Rainfed /Irrigated agriculture	02	35-40	Dr Uzma Bashir and Team
12.10	Sericulture				
12.11	Fisheries				

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

13 Vocational trainings during 2023

S. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production	Strategy to Produce farmers own seed in cereal crops like Paddy, Maize, Oats and Oil seeds	01	SHGs Rural Youth	20-25	No	Dr. Uzma Bashir
13.2	Home Science	Skill enhancement in Cutting Tailoring/Tie and Dye	01 (30 days)	Women youth	20-25	No	Dr. Aasima Rafiq. Dr. Sajad Mohiuddin

							Dr. Uzma Bashir Dr. Saima Paul, Dr. Gazanfer Gani Dr. Malik Rais Dr. Rayees Wani
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Establishment of ornamental nursery on commercial scale	01 (07 days)	Youth and school drop outs	20-25	-	Dr. Gazanfer Gani
		Tree Architecture, Canopy Management and Establishment of Hi-tech nursery of temperate fruit crops at District level in collaboration with Division of Fruit science for skill development and income generation of unemployed youth.	10 days	Unemployed Youth and school drop outs	25-30	Nil	Dr. Rayees Ahmad Wani
13.5	Livestock Production & Management						
13.6	Plant Protection						
13.7	Farm Mechanization						
13.8	PHT and value addition	Skill training on processing of fruits and vegetables	01 (08 days)	SHGs/ students/ Women Youth	20-25	No	Dr. Aasima Rafiq. Dr. Sajad Mohiuddin, Dr. Uzma Bashir, Dr. Saima Paul, Dr. Gazanfer Gani, Dr. Malik Rais, Dr. Rayees Wani
		Skill training on preparation of variety of products (pizza, muffins, burgers, sandwiches etc.) as per market demand.	01 (08 days)	SHGs/ students/ Women Youth	20-25	No	Dr. Aasima Rafiq. Dr. Sajad Mohiuddin, Dr. Uzma Bashir, Dr. Saima Paul, Dr. Gazanfer Gani, Dr. Malik Rais, Dr. Rayees Wani
13.9	Production of Inputs at Site	Establishment of low cost soil testing laboratory for as an agri-business startup for employment generation	02	School dropouts	30		Dr Uzma Bashir and Team
		Innovative methods of composting for boosting employment generation and agri-entrepreneurship.	02	Rural Youth, School Dropouts, SHGs	30		Dr Uzma Bashir and Team
		Organic Crop Production	02	SHGs			Dr Uzma Bashir

					30		and Team
		Natural Farming	02	Rural Youth, School Dropouts, SHGs	30		Dr Uzma Bashir and Team
13.10	Sericulture						
13.11	Fisheries						

* Training title should specify the major technology/skill to be transferred.

14. Sponsored trainings during 2023

S. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production						
14.2	Home Science						
14.3	Capacity Building and Group Dynamics	Soil Health Management	01	SHGs, Women's, youths	40	-	Dr. Uzma Bashir and Team
14.4	Horticulture						
14.5	Livestock Production & Management						
14.6	Plant Protection						
14.7	Farm Mechanization						
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

* Programme title should specify the major technologies/skills to be transferred /refreshed.

15. Extension programmes during 2023

Sl. No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	As per demand	-	Sr. Scientist & Head, SMS's, Programme Assistants and other Supporting Staff
15.2	Diagnostic visits	As per demand	-	-do-
15.3	Field Day	06	250	-do-
15.4	Group discussions	10	-	-do-
15.5	Kisan Ghosthi	01	45	-do-
15.6	Film Show	30	625	-do-
15.7	Self -help groups	02	50	-do-
15.8	Kisan Mela	02	250	-do-
15.9	Exhibition	02	250	-do-
15.10	Scientists' visit to farmers field	As per demand	-	-do-
15.11	Plant/Soil health/Animal health camps	03	245	-do-
15.12	Farm Science Club	01	40	-do-
15.13	Ex-trainees Sammelan	01	30	-do-
15.14	Farmers' seminar/workshop	01	65	-do-
15.15	Method Demonstrations	25	420	-do-
15.16	Celebration of important days	15	450	-do-
15.17	Special day celebration	05	250	-do-
15.18	Exposure visits	10	420	-do-
15.19	Technology week,	01	45	-do-
15.20	FFS	01	45	-do-
15.21	Farm innovators meet	01	55	-do-
15.22	Awareness programmes	10	200	-do-

16. Activities proposed as Knowledge and Resource Centre during 2023

16.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria	Demonstration Units Exotic Vegetable Cultivation Floriculture Cultivation for Commercial Purposes	0.05 ha	Sr. Scientist & Head, SMS's, Programme Assistants and other Supporting Staff
16.1.2	Demonstration Units	Vermicomposting, Vermiwash, Hydroponics and Natural farming	01 each	Dr. Uzma Bashir
16.1.3	Lab Analytical services	Soil Sampling Analysis	250 No.	-do-
16.1.4	Technology Week	Seed Raising under Protected Conditions, Cultivation of Dhingri and Button Mushroom, Soil Sampling Techniques for Different Crops, Value Addition of Fruits and Vegetables,	-	-do-

		Farm Machinery		

16.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2023-24	Names of the team members involved
16.2.1	Seeds	Vegetable seeds, Peas, Maize	15 Kgs of different Vegetables, 15 Kgs of Maize and 15 Kgs of Pea	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff
16.2.2	Planting materials	Apple, Apricot, Peach and Cherry Plants, Vegetable Seedlings, Annual/Seasonal flower seedlings	300 No. 25000 No. 4000 No.	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff
16.2.3	Bio-products	Vermicompost , Vermi wash, Vermiculture , Kitchen waste compost	Vermicompost = 10 quintals Vermiwash= 50 liters Vermiculture = 10 kgs Kitchen waste Compost = depending upon the waste	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff
16.2.4	Livestock strains	Poultry	300 birds	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff
16.2.5	Fish fingerlings	Carp Fish	500 No.	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff

16.3 Technological Information

Sl.No	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments	Involvement of line departments in transfer of technology generated by host institution through training programmes, demonstrations, awareness, FLDs and OFTs	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff
	Agriculture		
	Horticulture		
	Animal Husbandry		
	Fisheries		
	Agricultural Engineering		
	Sericulture		
	Others, pl. specify		
16.3.2	Literature/publication	Pamphlets, Booklets and News Letters	-do-
16.3.4	Electronic Media	Technological Demonstration through TV and Radio programmes	-do-
16.3.5	Kisan Mobile Advisory Services	Time to Time important agro advisory	-do-

16.3.6	Information on centre/state sector schemes and service providers in the district.	Data is collected from different statical departments of the State	-do-

17. Additional Activities Planned during 2023

S. No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	SKUAST-Kashmir	Land Development and Fencing	Land to be prepared for cultivation of exotic vegetables and floriculture Establishment of IFS and Hi-tech Polyhouse	50 Lacs	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2022 (Rs.in Lakh)	Expenditure incurred during 2022-2023 (Rs.in Lakh)	Receipts during 2022-2023 (Rs.in Lakh)	Closing balance as on 17-02-2023 (Rs.in Lakh)
3.63	**0.00**	**2.39**	**6.02**

18.2 Plan of activities under Revolving Fund

S. No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	-	-	-	-
18.2.2				

19. Activities of soil, water and plant testing laboratory during 2023

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	**250 No.**	Sr. Scientist & Head, SMSs, Programme Assistants and other Supporting Staff
19.2	Water		**-do-**
19.3	Plant	**100 No.**	**-do-**
19.4	Others (Vermicompost)	**50 qtls.**	**-do-**

20. E-linkage during 2023:

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared	-	-
20.2	Creation and maintenance of relevant database system for KVK	-	-
20.3	Any other (Please specify)	-	-
20.4	-	-	-

21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting): **Nil**

S. No	Activities planned	Remarks if any

21.1		
21.2		

22. Innovative Farmer's Meet

S. No	Particulars	Details
22.1	Are you planning for conducing Farm Innovators meet in your district?	Yes/ No
22.2	If Yes likely month of the meet	Last week of July
22.3	Brief action plan in this regard	Farm innovators of District will be invited to the Kendra and discuss their innovations with others farmers. The worth of their innovations will be share to fellow farmers through demonstrations and field days.

23. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Exotic/Vegetable Production	Vertical Expansion of Exotic Vegetables for Urban Areas	50000/-

24. Budget - Details of budget utilization (2022-2023) up to 31-03-2023 (Rs.)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	19700000.00	16400000.00	***22500000.00**
24.1.2	**Traveling allowances**	100000.00		100000.00
24.1.3	**Contingencies**			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance			170000.00
B	POL, repair of vehicles, tractor and equipments			300000.00
C	Meals/refreshment for trainees			375000.00
D	Training material			375000.00
E	Frontline demonstration except oilseeds and pulses	1250000.00	1104000.00	0.00
F	On farm testing			0.00
G	Training of extension functionaries			0.00
H	Maintenance of buildings			30000.00
I	Establishment of Soil, Plant & Water Testing Laboratory			0.00
J	Library			0.00
24.1	**Total Recurring**	**21050000.00**	**17504000.00**	**22851000.00**
24.2	**Non-Recurring Contingencies**			
24.2.1	**Works**			
24.2.2	**Equipments including SWTL & Furniture**	**20000.00**	**20000.00**	**20000.00**
24.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00

24.2.4	**Library**	0.00	0.00	0.00
24.2	**Total Non Recurring**	**20000.00**	**20000.00**	**20000.00**
24.3	**REVOLVING FUND**	0.00	0.00	0.00
24.4	**GRAND TOTAL (A+B+C)**	**21070000.00**	**17524000.00**	**22871000.000**

***Including CAS arrears**

25. Details of Budget Estimate (2023) based on proposed action plan

S. No.	Particulars	BE 2023 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	**21219473.00**
25.1.2	**Traveling allowances**	**150000.00**
25.1.3	**Contingencies**	**0.00**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	**165000.00**
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
G	Training of extension functionaries	
H	Maintenance of buildings	
I	Establishment of Soil, Plant & Water Testing Laboratory	
J	Library	
25.1	**TOTAL Recurring Contingencies**	**23019473.00**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	**0.00**
25.2.2	**Equipments including SWTL & Furniture**	**200000.00**
25.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	**500000.00**
25.2.4	**Library** (Purchase of assets like books & journals)	**0.00**
25.2	**TOTAL Non-Recurring Contingencies**	**700000.00**
25.3	**REVOLVING FUND**	**0.00**
25.4	**GRAND TOTAL**	**23719473.00**

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