

ANNUAL ACTION PLAN 2024-2025 of KVK Srinagar (SKUAST-Kashmir)

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 Bridge Peerbagh Srinagar, Jammu and Kashmir. Mobile: 9149602036 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: 31-08-2024

District Profile of Srinagar.

S. No	Particulars	Magnitude				Source
01	Total geographical area of the district	1979 kms				Statical Handbook
02	Cultivable area (Irrigated/un-irrigated)	9411 ha (7042 ha/2369 ha)				Statical Handbook
03	Uncultivable area	3919 ha				Statical Handbook
04	No. and names of Tehsils/Blocks/Panchayat Halqa's/Villages	Tehsils	Blocks	Halqa's	Villages	Statical Handbook
		07	04	21	16	DPO
05	No. and names of municipal wards					

Tehsil Details

S. No	Name of the Tehsil
01	Srinagar South
02	Eidgah
03	Srinagar North
04	Panthachowk
05	Shalteng Central
06	Chanapora
07	Khanyar

Block Details

S. No	Name of the Block
01	Qamarwari
02	Harwan
03	Srinagar
04	Khonmoh

S. No	Name of the Village	Panchayat	Block
01	Dara	Dara-A	Harwan
	Dara	Dara-B	Harwan
02	Faqirgujri	Faqirgujri A	Harwan
	Faqirgujri	Faqirgujri B	Harwan
03	Muftibagh	Gundthal	Harwan
04	Murinderbagh	Gundthal	Harwan

	Murinderbagh	Saidpora	Harwan
05	Khimber	Khimber	Harwan
06	Takiya Sangreshi	Khimber	Harwan
07	Mulnar	New Theed A	Harwan
08	Theed	New Theed A	Harwan
	Theed	New Theed B	Harwan
09	Darbagh	Saidpora	Harwan
10	Saidpora Bala	Saidpora	Harwan
11	Balhama	Balhama A	Khonmoh
	Balhama	Balhama B	Khonmoh
12	Khonmoh	Khonmoh A	Khonmoh
	Khonmoh	Khonmoh B	Khonmoh
	Khonmoh	Khonmoh C	Khonmoh
13	Panzinara	Panzinara A	Qamarwari
	Panzinara	Panzinara B	Qamarwari
14	Lasjan	Lasjan A	Srinagar
	Lasjan	Lasjan B	Srinagar
15	Nowgam	Nowgam A	Srinagar
	Nowgam	Nowgam B	Srinagar
16	Soiteng	Soiteng	Srinagar

As per census 2011, there are only 11 villages but 16 at present as reported by DPO Srinagar

List of Municipal Wards

S. No	Name of the Ward	S. No	Name of the Ward	S. No	Name of the Ward
01	Harwan (W-1)	13	Bagh Barzulla (W-13)	25	Qamarwari (W-25)
02	Nishat (W-2)	14	Rawalpura (W-14)	26	Bemina East (W-26)
03	Brane (W-3)	15	Hyderpora (W-15)	27	Bemina West (W-27)
04	Dalgate (W-4)	16	Humhama (W-16)	28	Nund Reshi Colony (W-28)
05	Pantha Chowk (W-5)	17	Hamdania Colony (W-17)	29	Parimpura (W-29)
06	Lalchowk (W-6)	18	Solina (W-18)	30	Zainakote (W-30)
07	Rajbagh (W-7)	19	Alochi Bagh (W-19)	31	Lawaypora (W-31)
08	Ikhrajpora (W-8)	20	Sheikh Dawood Colony (W-20)	32	Mujgund (W-32)
09	Mehjoor Nagar (W-9)	21	Ziyarat Batamaloo (W-21)	33	Tankipora (W-33)
10	Natipora (W-10)	22	Shhaeed Gunj (W-22)	34	SyedAli Akbar (W-34)
11	Chanapora (W-11)	23	Karan Nagar (W-23)	35	Basant Bagh (W-35)
12	Budshah Nagar (W-12)	24	Chattabal (W-24)	36	Fateh Kadal (W-36)

S. No	Name of the Ward	S. No	Name of the Ward	S. No	Name of the Ward
37	Munawarabad (W-37)	50	Rathpora (W-50)	63	Kathi Darwaza (63)
38	Khanigah-E-Mula (W-38)	51	Iddgah (W-51)	64	Locut Dal (W-64)
39	Mahraj Gunj (W-39)	52	Pallapora (W-52)	65	Bud Dal (65)
40	Jamia Masjid (W-40)	53	Tarabal (W-53)	66	Hazratbal (W-66)
41	Makhdoom Sahab (W-41)	54	Kawdara (W-54)	67	Tailbal (W-67)
42	Khawja Bazar (W-42)	55	Hawal (W-5)	68	Habbak (W-68)
43	Aaqilmeer (W-43)	56	Alamgiri Bazar (W-56)	69	Soura (W-69)
44	Rozbal (W-44)	57	Gil Kadal (W-57)	70	Buchpora (W-70)
45	Daulatbad (W-45)	58	Nowshera (W-58)	71	Ahmad Nagar (W-71)
46	Islam Yarbal (W-46)	59	Lal Bazar (W-59)	72	Zakura (W-72)
47	Nawab Bazar (W-47)	60	Butshah Mohalla (W60)	73	Chatterhama (W-73)
48	Nawa Kadal (W-41)	61	Umer Colony (W-61)	74	Baghi-Mehtab (W-74)
49	Safa Kadal (W-49)	62	Jogi Lankar (W-62)		

Cross-learning across KVKs

Name of the KVK proposed	Specific learning areas
Within ring :- Pulwama, Ganderbal, Budgam	Development of apple based cropping system with spices and condiments, vegetables and legumes
Within the zone:- Patiala, Kullu, Solan, R.S. Pora, Baderwah	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.
Outside zone :- Baramati, Namakal, Pathanamthitta	Organic farming, Crop diversification, Bio-fertilizers, Utilization of Azzola Pinnata as livestock/poultry feed.

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

Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
Budgam Baramulla Ganderbal	Validation of SKUAST-K released varieties under diverse agro-climatic conditions Propagation techniques of Willow Wicker, Commercial Duckery farming, round the year production of vegetable seedling, vertical gardening	To gain expertise and technical knowhow in respective niche areas

Operational areas details proposed

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.)*
Vegetables	<ul style="list-style-type: none"> ➤ Traditional cultivation ➤ Shrinking cultivable areas ➤ Indiscriminate use of pesticides/inorganic fertilizers 	30-40%	Noorbagh, Sunglipora Budiwadur Maloor Ranbirgarh Panzinara Tailbal	Awareness cum Skill Trainings Exposure Visits and Demonstrations
Animal Science/Dairy Farming	<ul style="list-style-type: none"> ➤ Subsistence dairy farming ➤ Disease Incidence ➤ Imbalance rationing ➤ 	50-60%	Ranbirgrah Khonmoh Maloor Dara	Awareness trainings and FLDs
Fruit Production	<ul style="list-style-type: none"> ➤ Non availability of QPM of walnut/kiwi/almond on dwarf Clonal rootstocks ➤ Low fruit yield & quality ➤ Emergence of new horticulture problems ➤ Invasive pests ➤ Lack of skill & trained manpower 	40-55%	Darbagh, Harwan Theed, Faqirgajri, Dara, Dardkhover	Awareness cum Skill Trainings FLDs OFTs Method Demonstrations
Paddy	<ul style="list-style-type: none"> ➤ Shrinking areas ➤ Nursery Failures ➤ Incidence of Disease & Pests ➤ Low B.C Ratio 	25-40%	Lasjan Tailbal Chaterhama	Awareness cum Trainings Trainings FLDs OFTS

Oilseeds	➤ Traditional cultivation practices	30-40%	Khonmoh Chaterhama Harwan	Awareness cum Trainings Trainings FLDs OFTS
Maize	➤ Limited area under cultivation ➤ Crop failure: as a Rainfed crop	>55%	Faqirgujri, Mulnar, Check Khonmoh	FLD for Popularization of HYV.

Priority Thrust Areas

S. No	Crop/Enterprise	Thrust Area
01	Vegetable Production	<ul style="list-style-type: none"> ➤ Production of Quality Seed/Seedlings ➤ Popularization of Exotic Vegetables ➤ Vertical Gardening
02	Dairy/Sheep/ Poultry farming	<ul style="list-style-type: none"> ➤ Profitable Sheep/Diary Farming ➤ Balanced Rationing ➤ Commercial Poultry Production ➤ Fodder Production ➤ Animal Health
03	Floriculture	<ul style="list-style-type: none"> ➤ Ornamental Nursery Production ➤ Cut Flower Production
04	Fruit Production	<ul style="list-style-type: none"> ➤ Production of Quality Planting Material ➤ Canopy Management ➤ Good Horticultural Practices
05	Home Science/FST/Value Addition	<ul style="list-style-type: none"> ➤ Waste to Wealth ➤ Balanced Diet ➤ Value addition of Fruits/Vegetables ➤ Popularization of Multigrain Atta & Millet based Products
06	Soil Science	<ul style="list-style-type: none"> ➤ Natural / Organic Farming ➤ Soil Health Management ➤ Waste Management

Technology Assessment/Refinement during 2024-25

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
Apple	Poor fruit set	Improvement of fruit setting with foliar sprays of nutrient and PGRs in Apple cv Red Delicious	T0= Farmers Practice T1: Boron @ 0.1% at PB T2 = GA3 @20 ppm at 50% bloom T3: GA3 @50 ppm at 80% bloom	SKUAST-K	GA3 Application of Time	2 g	1500	03	4500	Fruit Set Fruit Yield Yield Efficiency	Dr. Rayees Wani , Dr. S.A. Simnani
Apple	Physiological disorders , Poor Fruit Quality, Poor shelf life	Pre harvest application of nutrients for improvement of fruit quality and storage.	T0= Farmers Practice T1 = Three foliar spray of Calcium @ 0.3% + Boron (0.1%) First Spray= 21 days after petal fall 2nd Spray= 21 days after 1st Spray 3rd Spray= 5 g/ liter,30 days before expected harvest	SKUAST-K	Calcium , Knap Sac Sprayer	500g	1000	03	3000	Fruit quality Storability	Dr. Rayees Wani,
Geranium pot plants	Unscientific approach towards media and type of cutting used	Scientific approach for the propagation of geranium pot plants	Farmer practice:- T0:-Use of Soil media and non herbaceous cutting T1 : Use of herbaceous cuttings (20 days old) in soilless media (Cocopeat 2parts: Vermiculite 1 part: Perlite 1 part)	SKUAST-K	Coco peat vermiculite & perlite	5 kg & 1 kg each vermiculite & perlite	1000	03	3000	Propagation coefficient %	Dr. Gazanfer Gani
Annual hybrid (Pansy, Snapdragon & Gazania)	Mortality above economic threshold level	Scientific approach for transplanting annual seedlings (Hybrid) into polybags	Farmer practice:- T0:-Use of poor soil media and aged seedlings T1 : Optimum	SKUAST-K	Hybrid seed & Vermicompost	1000 seeds of each annual	4000	03	12000	Success and mortality %age after transplanting	Dr. Gazanfer Gani

			aged seedling (20 days old) in rich soil media (2 parts soil: 1 part VC and 1 part sand)								
Natural Farming	Deteriorated Soil Health More cost of cultivation Ill effects of Inorganic fertilizers	Evaluating the Efficiency of Natural Farming Practices in leafy vegetables	T1: Farmers Practice T2: Waaphasa + Beejamrita + Jeevamrita + Agniastara	SKUAST-K	1. Cow Dung. 2. Cow Urine 3.Lime Water 4.Jaggery	20 kg cow dung 5 liters cow urine 5 kgs lime 2kgs Jaggery	1000-1500	03	3500	Soil and Yield Parameters and Economics	Dr. Uzma Bashir
Crop production	Low yield	Soil test based fertilizer application in rice	T1: Farmers Practice T2: Soil Test Crop Response based fertilizer application	SKUAST-K	Major and micro nutrients	NPK on the basis of soil test report	500-700	03	2100	Pre & Post Soil analysis Yield	Dr. Uzma Bashir
Rice	Irrational number of seedlings	Effect of number of seedling/hill on growth and yield of transplanted rice in lowlands of District Srinagar	T1: Farmers Practice (>8) T2: University Recommendations 2-3 seedling per hill	SKUAST-K	Paddy seedlings	2-3 kgs/trial	1000	02	2000	Yield and Yield Parameters	Dr. Rayees A. Wani Dr. S.A. Simnani Dr. K. A. Dar
Green Chilli	Poor Shelf Life and no value addition	Preparation of green chilli powder	T0: Farmer's Practice T1: Destaking, washing, blanching + dipping in sodium chloride solution (2%) for 2-3 h at 40-50°C, followed by drying at 50-60°C for 8-10 h to reduce the moisture content to less than 2%.	ICAR	1) Blanching 2) Dipping in sodium chloride solution (2%) for 2-3 h at 40-50°C, 3) Drying at 50-60°C for 8-10 h	2 kgs/trial	1500	03	4500	Instrumental Color (L*, a* b*) Ascorbic Acid (%) Capsaicin Content (%) Chlorophyll Content (%)	Dr. Aasima Rafiq
Capsicum	Shirking of Capsicum during Storage	Effect of edible coating on postharvest quality of Capsicum at ambient storage	T1: Farmer's Practice T2: Capsicum will be coated with chitosan (2% solution)	ICAR	1) Chitosan (2%) solution 2) Storage in paper cartoon at ambient	2 kgs/trial	3000	03	9000	Weight Loss Firmness Fungal decay Sensory quality	Dr. Aasima Rafiq

			Air drying Storage in paper cartoon at ambient condition		Temperature								
Livestock	Poor performance of lambs	Impact of feeding creep ration on the performance of lambs	T1- Farmers practice T2- Creep ration @1.5% body weight	SKUAST-K	Creep feed	200 kgs	5000	03	15000	Weight gain, marketable age, mortality	Dr. Malik Raies		

Cluster Frontline Demonstrations on Oilseeds (Rabi) under NFSM-Oilseeds during 2024-25

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 De mo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Oil seed (CFLD)	Oil seed	Low Yeild/Low oil content	Popularization of Sulphur application in brown sarsoon	Brown Sarsoon	SS-2	SKUAST-K	Seed, Fertilizer: Urea, MOP, DAP and Gypsum	3.2 kg 120 kg, 60 kg, 110 kg 01-05 kgs	3088.57	87.5	270250	Yield parameters Oil quantification	Dr. Rayees and Team

Frontline Demonstrations during 2024-25

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 De mo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Rice	Rice	Low Yield/Bronze Tint in leaves Stunted growth	Popularization of high yielding SKUAST-K released varieties	Paddy	SR-4	SKUAST-K	Seed Zinc (ZnSo4)	20 kg 01-02 kgs	1300	02	2600	1. Yield and Yield parameters 2. Incidence of Zinc deficiency symptoms	Dr. Rayees A. Wani
Maize Fodder	Maize Fodder	No line sowing Irrational Seed Rate No Weed management	T1: Farmers Practice (Check Plot) T2:Technology intervention through Package of Practices, SKUAST- Kashmir	Fodder Maize	Shalimar Fodder Maize	SKUAST-K	Seed	03 kgs	500	04	2000	Yield/BC Ratio	Dr. Rayees Dr. Uzma Bashir and Prof.S.A. Simnani
Fruit Crops	Cherry	Fruit Cracking, poor fruit quality and	Foliar application of Calcium for improving quality	Three foliar sprays of Calcium	Nappolean Noir Gross	SKUAST-K	Calcium, Knap Sac Sprayer,	500g	1000	05	5000	Fruit Yield(Kg/tree), Fruit Quality	Dr. Rayees A. Wani Dr. Prof.S.A.

Annual Action Plan 2024-2025

		shelf Life	and storability of Cherry	@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								and Economics	Simnani
Annual / Seasonal Nursery	Hybrid annuals (Petunia and Dianthus)	Lack of technical knowhow	Popularization of Soilless media and water soluble fertilizers among nursery growers for raising of hybrid annual flower nursery	-	-	SKUAST-K	Coco peat & water soluble fertilizer (19-19-19)	Cocopeat =20 kg 19-19-19= 1 kg	2500	05	12500	Propagation coefficient %	Dr. Gazanfer Gani
Landscaping	Vertical gardening	Lack of land, concept and guidance	Vertical gardening and its different components (Vertical gardening Frame, Containers used, plants and media to be used.)	-	-	SKUAST-K	Frame & Pots	05 Frame units 15 Pots	4000	05	20000	Vertical expansion of gardening	Dr. Gazanfer Gani
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	10	15000	Body Mass Index Decreasing rate of deficiency diseases Sensory Score Overall Acceptability	Dr. Aasima Rafiq/ Dr. Saima Paul
Nutri Garden	Vegetables	Lack of knowledge about high nutritive vegetables	Nutri garden for management of better health	Season Specific variety	-	ICAR	Nutri-garden	14*14 Plot Size	2500	03	7500	Over acceptability and adoptability	Dr. Aasima Rafiq/ Dr. Saima Paul
Composting	Composting	Lack of awareness regarding the proper way of composting	Demonstration on preparation of vermicompost	Earthworm	(Eisenia fetida)	SKUAST-K	Animal Waste /Farm Waste Decomposed Kitchen Waste Earthworms	100 sft 100 kgs 03 kgs	3000	02	6000	1. Quality of compost 2. Duration to composting	Dr. Uzma Bashir

Training for Farmers/ Farm Women/Rural Youth during 2024-25

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
Crop Production	Paddy	Nursery Failure	Assessment	Latest techniques of paddy nursery raising (Mat, Protected and SRI)	02	20-25	Dr. Rayees Wani Dr. K.A.Dar
	Paddy	Expensive labour	Assessment	Scientific transplanting of paddy (Mechanized , SRI)	02	20-25	Dr. Rayees Wani Dr. K.A.Dar
	Maize	Low yield and proper cultivation practices not followed	Assessment	Maize cultivation under rain fed and Irrigated condition	02	20-25	Dr. Rayees Wani Dr. K.A.Dar Dr. Fayaz Bahar
	Pulse	Low yield	Assessment	Pulse Production on scientific lines	02	20-25	Dr. Rayees Wani Dr. K.A.Dar Dr. Fayaz Bahar
	Paddy	Non specific varieties	Assessment	Location specific seed rate and varieties as recommended SKUAST-K	02	20-25	Dr. Rayees Wani Dr. K.A.Dar
	Oats	Low yield	Assessment	Scientific cultivation of oats	02	20-25	Dr. Malik Raies
	Fodder	Unawareness about preservation techniques	Assessment	Silage Making	02	20-25	Dr. Malik Raies
	Maize	Diversification of Crops	Assessment	Introduction of sweet corn, pop corn and baby corn to farmers	02	20-25	Dr. Rayees Wani
	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. Gazanfer Gani Dr. Latief Sofi Dr. Rayees
	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. Rayees Wani Dr. S.A. Simnani
Horticulture Production	Vegetable Crops	Off Season Cultivation	Assessment	Off-season raising of vegetable seedlings under protected conditions	01	20-25	Dr. Rayees Ahmad and Team
	Pome fruit crops	Nursery Management	Assessment	Scientific Nursery Management for production of Quality planting material of fruit crops	01	20-25	Dr. Rayees Ahmad and Team
	Apple	Poor Fruit Quality &Yeild	Assessment	High density plantations ; augmenting farmer's income	01	20-25	Dr. Rayees Ahmad and Team
	Apple	Low Fruit Set	Assessment	Techniques /Interventions for	01	20-25	Dr. Rayees Ahmad

				Fruit Set Improvement			and Team
	High Density Orchards	Loss of Nutrients	Assessment	Integrated Weed Management in Fruit Crops	01	20-25	Dr. Rayees Ahmad and Team
	HRD	Lack of Know How	Assessment	Hands on Training on different Google apps	01	20-25	Dr. Rayees Ahmad and Team
	Cherry	Fruit Cracking	FLD	Management of cherry cracking	01	20-25	Dr. Rayees Ahmad and Team
	Apple	Poor Fruit Color	Assessment	Summer Pruning in high density orchards	01	20-25	Dr. Rayees Ahmad and Team
	Temperate Fruit crops	Poor Fruit Quality	Assessment	Physiological disorders and their remedies in fruit crops	01	20-25	Dr. Rayees Ahmad and Team
	Stone fruit crops	Nursery Management	Assessment	Canopy management and tree architecture under different planting systems	01	20-25	Dr. Rayees Ahmad and Team
	Temperate Fruit crops	Poor Fruit Quality	Assessment	Improved propagation techniques of temperate fruit crops.	01	20-25	Dr. Rayees Ahmad and Team
	Awareness	Lack of awareness	Assessment	General awareness regarding potential of floriculture	01	20-25	Dr. Gazanfer Gani & Team
	Nursery raising	Poor germination/Quality	Assessment	Nursery raising of summer and winter annuals (Hybrid)	01	20-25	Dr. Gazanfer Gani & Team
	Nursery raising	Lack of Technical know how	Assessment	Importance of Rooting/mist chamber for the propagation of landscape plants on commercial scale	01	20-25	Dr. Gazanfer Gani & Team
	Nursery raising	Lack of Technical know how	Assessment	Protected nursery raising of hot to root fruit crops under hi-tech polyhouses.	01	20-25	Dr. Gazanfer Gani & Team
	Landscaping	Lack of know how	Assessment	Home landscaping: Issues and management	01	20-25	Dr. Gazanfer Gani & Team
	Lawn management	do	Assessment	Lawn making and its management	01	20-25	Dr. Gazanfer Gani & Team
	Pot plant management	Lack of technical know how	Assessment	Scientific management of pot/house plants	01	20-25	Dr. Gazanfer Gani & Team
	Vertical gardening	Lack of Knowledge	Assessment	Introduction and popularization of vertical gardening concept into the urban areas of Srinagar	01	20-25	Dr. Gazanfer Gani & Team
Livestock Production	Disease management	Lack of awareness	Assessment	Commonly occurring infectious and metabolic diseases of economic importance in dairy animals: their prevention and control	01	20-25	Dr. Malik Raies & Team
	Value addition	Low returns on produce	Assessment	Value addition of milk	01	20-25	Dr. Malik Raies & Team

	Health management	Lack of awareness	Assessment	Educating farmers about vaccination and deworming of animals	01	20-25	Dr. Malik Raies & Team
	Fodder production	Fodder scarcity	Assessment	Demonstration on Scientific preservation of green fodders (silage making) for winter	01	20-25	Dr. Malik Raies & Team
	Poultry management	Mortality and poor body weight gain	Assessment	Scientific management of backyard poultry	01	20-25	Dr. Malik Raies & Team
	IFS	Monocropping system	Assessment	Integrated farming system models for maximizing returns	01	20-25	Dr. Malik Raies & Team
	Waste management	Faulty disposal of waste	Assessment	Environmentally friendly ways of disposal of animal waste	01	20-25	Dr. Malik Raies & Team
Food Technology/ Home Science	Nutrition	Prevalence of deficiency diseases	Assessment	Nutritional deficiencies in School going Children	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	Nutrition	Nutritional deficiencies in women	Assessment	Nutritional Deficiencies in women and importance of balanced diet	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	Nutrition	Lack of awareness	Assessment	Nutritional and health benefits of Millets	01	20-25	Dr. Aasima Rafiq, Dr. Saima Paul,
	Nutrition	Lack of awareness	Assessment	Nutrition enhancement of foods through different techniques	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	Nutrition	Prevalence of Diabetes	Assessment	Popularization of products of water chest nut for diabetic patients	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	Drudgery reduction	Excessive work load and health issues	Assessment	Drudgery reduction of women at household level	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	Post Harvest Management	Surplus production	Assessment	Scientific Drying of Fruit & Vegetables	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	Post Harvest Management	Lack of awareness	Assessment	Scientific Methods of Packaging to enhance Shelf life of foods	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
	E-Applications	Lack of awareness	Assessment	Google Apps	01	20-25	Dr. Aasima Rafiq Dr. Siama Paul
Plant Protection	Apple	Lack of awareness about pest control	Assessment	Integrated pest management of apple stem borer	01	20-25	Dr Showket Ahmad Dar & Team
	Apple, Rice & household	Damage to fruit plants and rice crop	Training cum demonstration	Control of rodents on scientific guidelines	01	20-25	Dr Showket Ahmad Dar & Team

	Vegetables (Cruciferae)	Lack of awareness about sucking pests and their management	Assessment	Integrated pest management of aphids in vegetables	01	20-25	Dr Showket Ahmad Dar & Team
	Beans (pulses)	Insufficient awareness among farmers about cut worm (Agrotisspp.) etc. management	Assessment	Cultural control of insect pests of field crops	01	20-25	Dr Showket Ahmad Dar & Team
	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	01	20-25	Dr Showket Ahmad Dar & Team
	Vegetable	Lack of awareness about disease management in vegetables crops	Assessment	Integrated disease management in Vegetables	01	20-25	Dr Showket Ahmad Dar & Team
	Fruit crops	Poor fruit quality and loss	Training	Integrated disease and pest management of important temperate fruit crops	01	20-25	Dr Showket Ahmad Dar & Team
	Apple	Lack of awareness about management of leaf miner in apple orchards	Assessment	Integrated management of leaf miner	01	20-25	Dr Showket Ahmad Dar & Team
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)	01	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	01	20-25	Dr Uzma Bashir and Team
	Biofertilizer	Lack of Knowledge	Assessment	Handling, Preparation and application of biofertilizers	01	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	01	20-25	Dr Uzma Bashir and Team
Soil Health and Fertility	Fertilizer Efficiency	Indiscriminate use of fertilizers	Refinement	Principles of 4Rs for fertilizer Management	01	20-25	Dr Uzma Bashir and Team

	Filed crops	Poor nutrient management	Refinement	Integrated nutrient management in field crops	01	20-25	Dr Uzma Bashir and Team
	Fruits and vegetables	Poor quality and physiological disorders	Refinement	Micronutrient management through foliar application in fruits, vegetables	01	20-25	Dr Uzma Bashir and Team
	FYM/compost	declining organic carbon content in soil	Assessment	Importance of FYM, Green Manure, Enriched Compost, Vermicompost	01	20-25	Dr Uzma Bashir and Team
	Field/horticulture crops	Imbalanced dose of fertilizer	Refinement	Importance of leaf analysis and techniques for the collection of leaf samples	01	20-25	Dr Uzma Bashir and Team
	Field/horticulture crops	Nutrient deficiencies	Refinement	Diagnosis of Nutrient deficiencies in fruit and vegetables	01	20-25	Dr Uzma Bashir and Team
	Field/horticulture crops	Immobility of nutrients	Refinement	Importance of biofertilizers in maintaining Soil Health	01	20-25	Dr Uzma Bashir and Team

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

Trainings for Extension Personnel during 2024-25

Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
Crop Production	Principle of 4R for nutrient management in agricultural crops	01	10-20	Dr. Uzma Bashir and Team
	Scientifically producing organic inputs for livelihood security and sustainable soil health maintenance	01	10-20	Dr. Uzma Bashir and Team
	Natural farming a way forward for sustainable agriculture	01	10-20	Dr. Uzma Bashir and Team
Food Technology	To equip and upgrade the skill in Food Processing	01	10-20	Dr. Aasima Rafiq & Team
	Total Quality Management and importance of FSSAI for Marketing of Food Products	01	10-20	Dr. Aasima Rafiq & Team
Horticulture	Grading, packing, handling and marketing of fruits in collaboration with Division of FST, FOH SKUAST-K	01	10-20	Dr. Rayees A. Wani & Team
	Canopy management and Tree architecture	01	10-20	Dr. Rayees A. Wani & Team

	of fruit trees under low and high density orchard systems			
	Pest and disease management of major cut flower	01	10-20	Dr. Gazanfer Gani & Team
	Management of different physiological disorders among major cut flower crops	01	10-20	Dr. Gazanfer Gani & Team
Livestock Production & Management	Guardians of health: Combating zoonoses for a safer tomorrow	01	10-20	Dr. Malik Raies& Team
	Use of Antimicrobials in food animals and its consequences on human health	01	10-20	Dr. Malik Raies& Team
	Understanding lumpy skin disease and strategies to combat its transmission	01	10-20	Dr. Malik Raies& Team

Skill Entrepreneurship Development-cum-Vocational trainings during 2024-2025

Thematic area and the Crop/Enterprise	Training title*	Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Names of the team members involved
Food Processing	Processing and value addition of fruits and vegetables	07	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Aasima Rafiq and Team
Craft Diverse Products	Scientific approaches to craft diverse products aligned with market demands	07	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Aasima Rafiq and Team
Cutting and Tailoring	Cutting and Tailoring/Tie and Die/ Fabric Painting/ Tilla Work/Sozini Work/ Paper Machie	15	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Aasima Rafiq and Team
Floriculture	Up scaling of existing ornamental nurseries on scientific guidelines	03	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Gazanfer Gani & Team
Management of cut flowers	Management of cut flowers under protected structures on scientific guideline	03	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Gazanfer Gani & Team
Production of cut flowers	Production of cut flowers under open field conditions on commercial scale	03	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Gazanfer Gani & Team
Canopy Management	Techniques of Summer Pruning in high density orchards for fruit quality improvement	03	Practicing farmers, Rural youth and school dropouts	20-25	Dr. Rayees Ahmad Wani & Team

Canopy Management	Hands on training on Canopy Management under different orchard systems for livelihood security	03	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Rayees Ahmad Wani & Team
Nursery Management	Propagation techniques under hi-tech poly houses for improving graft success in Walnut and Kiwi	02	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Rayees Ahmad Wani & Team
Silkworm Production Technology	Production technology of silkworms rearing; seed to silk	02	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Rayees Ahmad Wani & Team
Silkworm Crop Protection	Disease and pest management of silkworms with special reference at pupal stage	02	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Rayees Ahmad Wani & Team
Entrepreneurship Skills in Sericulture	Hands on scientific propagation techniques for profitable silk rearing	02	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Rayees Ahmad Wani & Team
Waste to Wealth	Diversification of Silk products and value addition	02	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Rayees Ahmad Wani & Team
Livestock Production & Management	Profitable dairy/sheep farming	06	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Malik Raies and Team
Soil Health & Fertility	Skilling rural youth for production of organic input on scientific lines for livelihood and soil health	05	Practicing farmers, Rural youth and school dropouts	25-30	Dr. Uzma Bashir and Team

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

Extension programmes during 2024-2025

Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
Advisory Services	As per demand	-	Prof. & Head, SMS's, Programme Assistants and other Supporting Staff
Diagnostic visits	As per demand	-	-do-
Field Day	06	250	-do-
Group discussions	10	-	-do-
Kisan Ghosthi	01	45	-do-
Film Show	30	625	-do-
Self -help groups	02	50	-do-

Annual Action Plan 2024-2025

Kisan Mela	02	250	-do-
Exhibition	02	250	-do-
Scientists' visit to farmers field	As per demand	-	-do-
Plant/Soil health/Animal health camps	03	245	-do-
Farm Science Club	01	40	-do-
Ex-trainees Sammelan	01	30	-do-
Farmers' seminar/workshop	01	65	-do-
Method Demonstrations	25	420	-do-
Celebration of important days	15	450	-do-
Special day celebration	05	250	-do-
Exposure visits	10	420	-do-
Technology week,	01	45	-do-
Farm innovators meet	01	55	-do-
Awareness programmes	10	200	-do-
World Environment Day	01	100	-do-
PM Scientist Farmers Interaction	06	600	-do-

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