



KRISHI VIGYAN KENDRA BUDGAM



ANNUAL ACTION PLAN 2025-26

Dr. Bilal Ahmad Lone
Prof. & Head
KVK Budgam
SKUAST Kashmir

ON FARM TRIALS

S.No	Crop/ Enterprise	Title	No. of Trials
1	Agronomy	Intercropping legumes during summer and winter in high density apple orchard	03
2	Vegetable Sc.	Effect of Mulching in Potato (ongoing).	03
3	Vegetable Sc.	Evaluation of onion cultivars for yield and storage characteristics.	03
4	Plant Protection	Management of early blight of tomato (ongoing).	03
5	Plant Protection	Integrated management of fruit fly in cucurbits (bottle gourd, pumpkin and cucumber)	03
6	Plant Prot.	Management of tomato fruit borer	03
7	Soil Sc.	Effect of natural farming products on soil health and yield of fenugreek	03
8		Assessment of Zn solubilizing bacteria as inoculants for Zn nutrition in Rice production	03
9	Fruit Sc.	Weed management of High-density apple orchards (ongoing).	03
10	Fisheries Sc.	Assessing the efficiency of mineral mixture feed on growth in rainbow trout	03
11	Home Sc.	Cling wrap packing of tomato for extension of shelf life under ambient and refrigerated conditions (ongoing).	03
12	Home Sc.	Effect of edible oil coating on post harvest quality of bell pepper at ambient storage	03
13	Home Sc.	Prefabricated low-cost solar dryer	03
14	Animal Sc.	Evaluation of Mineral Mixture Supplementation on production performance of Sheep	03
15	Animal Sc.	Effect of Extended Photoperiod on Growth and Egg Production in Backyard Poultry during Winter	03

Proposed OFTs

S.N o	Title	No. of trials	Treatments
1	Intercropping legumes during summer and winter in high density apple orchard	03	T ₁ : Farmers practice (Vacant space with natural grass) T ₂ : Intercropping with pulses (Pea in rabi and Moong in kharif) T ₃ : Moong in Kharif
2	Evaluation of onion cultivars for yield and storage characteristics.	03	T ₁ : Farmers practice (yellow globe) T ₂ : Brown Spanish/Red Coral T ₃ : Red Globe
3	Integrated management of fruit fly in cucurbits (bottle gourd, pumpkin, cucumber)	03	T ₁ : Farmers practice T ₂ : Insecticide mixture spray as per (POP) T ₃ : Installation of Insect traps
4	Management of tomato fruit borer	03	T ₁ : Farmers practice T ₂ : Installation of pheromone traps @ 12-15 traps/ha T ₃ : Spray imidacloprid 17.8 SL @30 ml/100 lit. of water 35 DAT (POP)
5	Effect of natural farming products on soil health and yield of fenugreek.	03	T ₁ : Farmers Practice (Chemicals) T ₂ : Application of RDF T ₃ : Application of Beejamrit + Jeevamrit + Ghanjeevamrit
6	Assessment of Zn solubilizing bacteria as inoculants for Zn nutrition in Rice production	03	T ₁ :- Farmers practice T ₂ :- Recommended fertilizer (RDF) for the crop T ₃ :- Use of Zn solubilizing bacteria as seedling treatment + RDF
7	Assessing the efficiency of mineral mixture in feed on growth in rainbow trout.	03	T ₁ : Farmers Practice T ₂ : Supplementation of fish specific mineral mixture in feed @0.3% of feed. T ₃ : Supplementation of fish specific mineral mixture in feed @0.5% of feed.

S.N o	Title	No. of trials	Treatments
8	Effect of edible coating on post harvest quality of bell pepper at ambient storage	03	T ₁ : Farmer's Practice T ₂ : Bell Pepper will be coated with chitosan (1.5% solution) T ₃ : Bell Pepper will be coated with chitosan (2% solution)
9	Prefabricated low-cost solar dryer	03	T ₁ : Farmer's Practice (Open Solar Drying) T ₂ : Use of Low-cost Solar Dryer for drying of Dandelion T ₃ : Use of Low-cost Solar Dryer for drying of Tomato
10	Evaluation of Mineral Mixture Supplementation on production performance of Sheep	03	T ₁ : Farmers practice (local) T ₂ : Feeding of 25 grams of sheep specific mineral mixture T ₃ : Feeding of 50 grams of sheep specific mineral mixture
11	Effect of Extended Photoperiod on Growth and Egg Production in Backyard Poultry during Winter	03	T ₁ : Farmers practice (Vacant space with natural grass) T ₂ : Artificial light to extend photo peroid up to 14 hours. T ₃ : Artificial light to extend photo peroid up to 16 hours.

FRONT LINE DEMOSTRATIONS

Summary of FLDs

S.No	Crop/Enterprise/Variety	Technological Intervention	No. of Demos
1	Paddy (SR-4)	Horizontal expansion of paddy varieties	30
2	Maize (SMC-3/SMC-8/KG-2)	Popularization of high yielding variety	15
3	Brown Sarson (SS-2/SS-3)	Popularization of HYVs along with POP	50
4	Oats (SFO-1)	Use of SKUAST-K high yielding varieties	05
5	Okra (SKBS-11)	Popularization of okra	30
6	Methi (Shalimar Methi-1)	Popularisation of Newly Released University Variety of Methi	20
7	Coriander (Shalimar Dhanian-1)	Popularisation of Newly Released University Variety of Coriander	20
8	Chilli(Kashmir Long-1)	Poularisation of university released variety of chilli	30
9	Apple	Management of Canker in apple	03
10	Apple	Demonstration on Root rot management	03
11	Apple	Demonstration of Boron Sprays and Bouquet Pollination for Improved Fruit set in Apple	
12	Composting	Bioaugmented composting using Shalimar microbes	05
13	Vermitechnology	Popularization of vermitechnology through low cost structure (woven vermibed)	05
14	Cattle	Popularization of winter chocolates for enhancing productive performance of dairy cows	05
15	Poultry	Polarization of improved breed/strains of poultry birds (Keystone golden) under backyard farming	200

TRAINING PROGRAMMES

Summary of Trainings For Farmers And Farm Women

S.No	Discipline	No. of Trainings
1.	Agronomy	05
2.	Horticulture	09
3.	Plant protection	08
4.	Soil Science	10
5.	Fisheries Science	04
6.	Home Science	04
7.	Animal Sciences	08
	TOTAL	48

TRAININGS FOR FARMERS AND FARM WOMEN

1. AGRONOMY

S. No.	Thematic area	Crop/ Enterprise	Training Course	No. of Courses	Name of team member involved
1	Crop Production	Cereals	System of rice intensification in paddy	01	Dr. Sabia and Team KVK Budgam
2	Organic Farming	Field crops	Agronomic Practices of Organic farming	01	
3	Farm mechanization	Farm machinery	Farm mechanization for increasing production and profitability of farmers	01	
4	Doubling Farm Income	Multiple Enterprises	Integrated Farming System: An approach to boost farm income	01	
5	Natural Farming	Multiple Enterprises	Natural farming interventions for sustainable yield enhancement & soil health improvement	01	

2. HORTICULTURE

Sno.	Thematic area	Crop/ Enterprise	Training Course	No. of Courses	Name of team member involved
1	Horticulture	Cucurbits	Pollination Management in Cucurbits	01	Dr. Ambreen Nabi and Team KVK Budgam
2		Vegetables	Scientific methods of Seed production in Biennial vegetables	01	
3		Spices	Popularization & demonstration of spice crops (Methi, Coriander, Fennel)	01	
4		Vegetables	Awareness programme for Natural Farming of vegetables	01	
5		Fruit Crops	Scientific Layout, Planting and Early care of temperate fruit crops	01	Dr. Khurshid A.Zargar and Team KVK Budgam
6		Fruit Crops	Propagation Techniques in Temperate Fruit crops with special reference to walnut	01	
7		Apple	Scientific Training and pruning to improve quality and productivity in apple.	03	
8		Apple/ Pear	Role of Pollinizers/Pollinators in Temperate fruit crops	01	
9		Fruit crops	Importance of Mulches in fruit crops	01	

3. Plant Protection

S. No.	Thematic area	Crop/Enterpr ise	Training Course	No. of Courses	Name of team member involved	
1	Plant Protection	Apple	Awareness programme on pesticide spray schedule of SKUAST-Kashmir for apple disease management	01	Dr Shabeer & team KVK	
2.		Solanaceous vegetable	Management of insects and diseases in solanaceous vegetable	01		
3.		Cucurbits	Management of Downy/powdery mildew	01		
		Pesticides	Safe handling of pesticide	01		
4.		Temperate fruits	Orchard sanitation for management of diseases in temperate fruits	01		
5.		Apple	Rodent management in apple orchards	01		
6.		Apple	Biological control: A sustainable & practical approach for disease management.	01		
7.		Apple	Method demonstration on management of canker through fungicidal paste	01		
8.						

4. Soil Science

S. No	Thematic area	Enterprise	Training Course	No. of Courses	Name of team member involved
1	Soil Health and fertility Management	Niche crops	Natural farming a way forward for sustainable agriculture	01	Dr. Shazia and Team KVK
2			Soil sampling techniques for fruit and field crops	02	
3			Nutrient management and inputs for soil health enhancement under natural farming	02	
4	INM	Fruit crops	Nutrient deficiency symptoms in apple and their remedies	02	
5	Production of inputs at site	Sustainable Agriculture	Scientific techniques for production of organic inputs.	02	
6	Natural farming		Preparation and application of beejamrit, jeevamrit and ghanjeevamrit for natural farming	02	
7	Soil & water conservation	Water management	Management of fruit crops under water stress conditions on sloppy areas.	01	

5. Fisheries Science

S. No.	Thematic area	Enterprise	Training Title	No. of Courses	Name of team member involved
1	Fish Rearing	Fisheries	Entrepreneurship opportunities in Fisheries in District Budgam	02	Dr. Iram Farooq and Team KVK
2	Fish Management		Scientific management of fish ponds/raceways	02	

6. Home Science

S. No	Thematic area	Crop/ Enterprise	Training Course	No. of Courses	Name of team member involved
1.	PHT/Value addition	Medicinal & Aromatic Plants	Prospects in Secondary Agriculture for Entrepreneurship Development (Herbal Teas, Soap, Bath and Foot Salts, Pot Pourri etc)	02	Dr. Bhinish and Team KVK
2.	PHT/Value addition	Rice & Maize	Revisiting Traditional Foods for Dietary and Economic Benefits	01	
3.	PHT/Value addition	Mowal & Saffron	Importance of Natural, Local Food Colorants	01	

7. Animal Sciences

S. No.	Thematic area	Crop/Enterpr ise	Training Course	No. of Courses	Name of team member involved	
1	Livestock	Dairy	Scientific calf rearing practices	01	Dr . Kavita & Team KVK	
2.		Dairy	Udder health care practices	01		
3.		Dairy	Preservation of green fodders(silage and hay)	01		
4.		Dairy	Sensitization of milk producer for adapting cooperative approach to make societies	01		
5.		Poultry	Scientific management of backyard poultry	01		
6.		Dairy	Clean and hygienic milk production.	01		
7.		Cattle / Sheep/ crop	Adapting integrated farming system models for maximizing return	01		
8.						
9.		Sheep	Scientific rearing of Sheep and Goat	01		

Summary of Trainings For Rural Youth

S.No	Discipline	No. of Trainings
1.	Agronomy	03
2.	Horticulture	05
3.	Plant protection	02
4.	Soil Science	10
5.	Fisheries Science	02
6.	Home Science	01
7.	Animal Sciences	01
	TOTAL	28

TRAININGS FOR RURAL YOUTH

1. Agronomy

S.No	Thematic area	Crop / Enterprise	Training Course Title	No. of Courses	Name of team member involved
1	Crop production	Paddy	Farm mechanization for drudgery reduction in paddy	01	Dr. Sabia Akhter and Team KVK
2	Organic crop production	Vermi-technology	Biowaste conversion as a source of livelihood	01	
3	Crop diversification	Multiple crops	Crop diversification to increase famers income	01	

2. Horticulture

S. No.	Thematic area	Crop / Enterprise	Training Course Title	No. of Courses	Name of team member involved
1	Horticulture	Vegetable	Offseason Cultivation of Vegetable Crops	01	Dr. Ambreen Nabi and Team KVK
2			Use of organic and inorganic mulches in vegetable crops	02	
3			Integrated Nutrient Management in Cole crops	01	
4		Fruit	Entrepreneurial Opportunities in Nursery Raising Techniques of Temperate Fruit Crops	01	Mr. Khurshid A Zargar and Team KVK
5			Managing Canopies in Traditional and High Density Apple Orchards for enhanced productivity & Profitability	01	

3. Plant Protection

S. No.	Thematic area	Enterprise/Crop	Training Course Title	No. of Courses	Team Member
1	Plant Protection	Bee Keeping	Bee keeping, its importance in agriculture	01	Dr. Shabeer & team KVK
2		Mushroom	Mushroom Cultivation-A profitable enterprise	01	

4. Soil Science

S No.	Thematic Area	Enterprise	Training Course Title	No. of Courses	Team Member
1.	Soil Health and Fertility Management	fruit and field crops	Importance of soil health	01	Dr. Shazia and Team KVK
2.			Techniques for collection of leaf and soil samples from fruit and field crops	02	
3.			Sustainable practices of natural farming for soil health management	03	
4.	Production of inputs at site	Vermi-technology	Production of organic inputs on scientific lines for livelihood and soil health	02	
5.	Micronutrient management	Fruits	Micronutrient management through foliar application in fruit crops.	02	

5. Fisheries Science

S.No	Thematic area	Enterprise	Training Course Title	No.of Courses	Team Member
1.	Fisheries	Value Addition	Fish processing and value addition for Entrepreneurship development	01	Dr. Iram Farooq and Team KVK
2.		Ornamental Fisheries	Fabrication and management of fish aquarium	01	

6. Home Science

S. No.	Thematic area	Crop/ Enterprise	Training Course	No. of Courses	Name of team member involved
1	Home Sc.	Fruits, Vegetables and Nuts	Entrepreneurship Development through Secondary Agriculture	01	Dr. Bhinish Shakeel and Team KVK

7. Animal science

S.No	Thematic area	Enterprise	Training Course Title	No.of Courses	Team Member
1.	Livestock production	Dairy	Disease Management and First Aid	01	Dr. Kavita and Team KVK

SUMMARY OF VOCATIONAL TRAININGS

S.no	Discipline	No. of Trainings
1.	Horticulture	01
2.	Livestock production and management	01
	TOTAL	02

VOCATIONAL TRAININGS

S.No	Thematic area and the Crop/ Enterprise	Training title	No. of programmes and Duration (days)	Names of the team members involved
1	Vegetables	Protected cultivation of vegetable crops	01(7 days)	Dr. Ambreen Nabi ,Team KVK and Division of Veg Sc.
2	Livestock production and management	Different milk and meat products.	01(05 days)	Dr. Kavita and Team KVK

SUMMARY OF TRAININGS FOR EXTENSION FUNCTIONARIES

S.no	Discipline	No. of Trainings
1.	Agronomy	02
2.	Horticulture	03
3.	Plant Protection	02
4.	Soil Sc.	01
5.	Fisheries Sc.	01
6.	Home Sc.	01
7.	Animal Sciences	01
	TOTAL	11

TRAININGS FOR EXTENSION FUNCTIONARIES

S.No	Training title	No	No. of participants	Team members
1	Resource Conservation technology in rice –wheat cropping system	01	25	Dr. Sabia Akhtar and Team KVK
2	Promotion of Oilseeds in JK	01	25	
3	Production Technology of important exotic vegetables	01	20	Dr. Ambreen Nabi and Team KVK
4	Role of BCAs/Trichoderma in the management of diseases of vegetable	01	20	
5	Understanding how climate change affects plant disease dynamics and developing strategies to adapt to changing environment	01	20	Dr. Shabeer and Team KVK

S.No	Training title	No	No. of participants	Team members
6	Soil Health in Regenerative Agriculture	01	25	Dr. Shazia and Team KVK
7	Scientific management of fish ponds/raceways	01	25	Dr. Iram Farooq and Team KVK
8	Packaging /Labelling/Licensing for NRLM	01	25	Dr. Bhinish Shakeel and Team KVK
9	Production of designer plants under High Density plantation	01	25-30	Mr. K.A Zargar and Team KVK Budgam
10	Canopy Management in Apple with special reference to High Density Orchards	01	25-30	
11	Scientific Housing and Management of Livestock	01	25	Dr. Kavita and Team KVK Budgam

DETAILS OF OTHER EXTENSION ACTIVITIES

S. No	Activities	
1	Field Day	Field Day on Oil seed/Paddy/Maize/Oats
2	Field Day	Field day on Apple
3	Diagnostic visits	Need based diagnostic visits
4	Scientist farmer interactions	Need based Scientist farmer interactions
5	Camp	Plant clinical camp/Animal clinical camps
6	Method Demonstrations	• Low cost vermicompost production • Soil sampling techniques for fruit and field crops • Drudgery Reduction Equipment for Women (Mini weeder/Maize Sheller, others as per need of farmer) • Method demonstration for Herbal Soap making through local flora and herbs with focus on innovative packaging and labelling.
7	Soil Sc.	World Soil Day/Soil Sampling/Soil health camp/Animal camp
8	Campaigns	• Popularization of SKUAST-Kashmir recommended pesticide spray schedule • Seed treatment campaign in Rice.
9	Fisheries Sc.	World Fisheries Day
10	Mobile Advisory	Need based advisories

THANK YOU