



**ACTION PLAN FOR 2015-16
KRISHI VIGYAN KENDRA, REASI**

**Directorate of Extension
Sher-e-Kashmir University of Agricultural
Sciences & Technology of Jammu (J&K)**

Farmers Training: Agronomy

S. No	Title	Contents	Duration (days)	Month	Venue	No. of participants
1	Monetary & non monetary inputs in crop production	Monitory & Non monitory inputs , Agriculture productivity, Balanced fertilizers , rotation	1	April	Operational villages	20
2	Conservation Agriculture	Intro, principles , issue & opportunities in rainfed area	1	Aug	Operational villages	20
3	Quality seed production of Rabi crops	Methods of seed production, stages, agronomic practices, field inspection & seed standards	1	Oct	Operational villages	20
4	Integrated nutrient management pulses	Declining productivity & sustainability of crop, manure mgmt, nutrient needs and balanced fertilizers	1	Nov	Operational villages	20
5	INM in Rabi crops	Declining productivity & sustainability of crop, manure mgmt, nutrient needs and balanced fertilizers	1	Nov	Operational villages	20
6	INM in Kharif crops	Declining productivity & sustainability of crop, manure mgmt, nutrient needs and balanced fertilizers	1	June-July	Operational villages	20
7	Farm waste management through vermicomposting	Intro, advantages of vermi culture, process of vermi composting, method	1	Aug	Operational villages	20
8	Cropping system for enhancing crop production.	Sustainable cropping system, crop rotation, potential benefits, barrier to adopt/change crop rotation	1	October	Operational villages	20
9	Scientific cultivation technique for fodder production	Importance of fodders, cropping system of forage crops, barseem, sorghum, oat etc.	1	Sept	Operational villages	20

Farmers Training : Agro forestry

S. N.	Title	Contents	Duration (days)	Month	Venue	No. of participants
1	Agro forestry for Farmers benefits	Definition Role Benefits	1	April/Oct	Operational villages	20
2	Important Agroforestry trees	Important trees Benefits	1	May/Nov	Operational villages	20
3	Intercropping of trees for maximizing profit	Methods for Species for intercropping	1	June/Jan	Operational villages	20
4	Medicinal & Aromatic plants for farmers benefit.	Species for plantation Benefits	1	Aug/Sep	Operational villages	20
5	Renewable Energy resources for natural resource conservation	Renewable energy Sources benefits	1	Jan/Mar	Operational villages	20

Farmers Training : Animal Sciences

S. No	Title	Contents	Duration (Days)	Month	Venue	No. of participants
1	Disease Management in poultry	Major Disease Prevention, Control, Treatment	1	Aug/Sept	Operational villages	20
2	Feeding practices of livestock for improved production	Feeding practices Balanced ration making, Complete Feed block making, urea treatment	1	May/Oct	Operational villages	20
3	Infertility management	Proper heat detection, Selective breeding, A.I ,intra uterine treatment	1	July/Jan	Operational villages	20

4	Management practices in Equines	Health, feeding, and disease management in equines	1	Aug/feb	Operational villages	20
5	Health and disease management in sheep and goat.	Symptoms Management Precaution and control ,deworming	1	Jan/Mar	Operational villages	20

Plant Pathology:

S. No.	Title	Contents	Duration (Days)	Month	Venue	No. of participants
1	Seed treatment in Kharif crops.	Seed treatment methods and use of specific fungicides.	1	May	Operational village	20
2	Disease & Pest management in maize	IDM in Maize	1	July	Operational village	20
3.	Major disease of kharif vegetables and their management	Identification and Management strategies.	1	April	Operational village	20
4	Management of seed & soil borne diseases	Different seed & soil born pathogens, management strategies	1	November	Operational village	20
5	Rhizome rot of ginger and its management	Seed treatment methods and use of different fungicides	1	October	Operational village	20
6	IPM module in vegetables	Different IPM modules, Pest management strategies	1	December	Operational village	20
7	Use of pesticides in crops	Pesticide use, safe handling & safe storage	1	October	Operational village	20

Extension Education

S.No.	Title	Contents	Duration (Day)	Venue	No. of participants
1	Entrepreneurship development in Agriculture .	Concept of entrepreneurship Characteristics of entrepreneurs Functions of an entrepreneur Successful agri. entrepreneurs	1	Operational village	20
2	Formation & Management of Farmers Club	Introduction Method of formation of farmers club Objectives of farmers clubs Responsibilities of members Stages of farmers clubs	1	Operational village	20
3	Sustainable Agriculture and environment protection for rural development	Introduction Advantages of sustainable agriculture Methodologies to increase production through sustainable manner Need of environment protection	1	Operational village	20
4	Formation, management and strengthening of SHGs	Concept of SHG Objectives of SHGs Method of SHGs formation Principles of SHGs formation Credit linkage for SHGs Benefits of SHGs formation Need of SHGs federation	1	Operational village	20
5	Role of electronic media for rural development .	Introduction Importance of electronic media in present era Need of local dialect in agril. based programmes telecast/broadcast through electronic media	1	Operational village	20
6	Rural leadership for agricultural development in rural areas	Rural leadership concept Influential rural leadership Benefits of rural leadership Need to approach the rural leaders	1	Operational village	20
7	Need of good communication skills for rural development	Communication Importance of good communication	1	Operational village	20

		Scope of communication for rural development			
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Home Science

S. No.	Topic	Contents	Duration (Days)	Month	Venue	No. of participants
1	Value addition of local fruits(mango, Papaya, etc)	1. Nutritive Content 2. Processing Techniques 3. Method Demonstration	1	June /Aug	Operational village	20
2	Cereal based complimentary foods for infant and children.	1. Importance 2. Introduction to various complimentary foods/weaning foods 3. Home-Scale preparation	1	April	Operational village	20
3	Processing of Aonla	1. Nutritive Value 2. Role of Vit C in diet 3. Value added Products	1	Oct/Nov	Operational village	20
4	Value addition of seasonal vegetables	1. Nutritive value 2. Cottage level processing 3. Method Demonstration	1	Sept/Oct	Operational village	20
5	Promotion of Agri-based income generating activities for farm women.	1. Concept 2. Need & importance 3. Various agri-based entrepreneurial activities for women 4. Self Help Group management	1	Jan.	Operational village	20
6	Enhancing the nutritive value of food.	1. Imbalanced diet 2. Lack of knowledge on value added product.	1	Dec	Operational Villages	20
7	Promotion of soya foods among rural women and adolescence girls for nutritional security	1. Nutritive content 2. Deficiency among females 3. Awareness. 4. Home scale soya preparations	1	Feb.	Operational villages	20

Trainings for Extension Personnel's:

S.No.	Title	Training course	Venue	Expected No. of participants	Names of the team members involved
1	Resource conservation technology for enhancing soil fertility	Intro, principle of CA, impacts, constraints, CA in Rainfed, semi Arid & Arid regions	On campus	15	Dr.Sanjay Koushal, Lalit Upadhyay, Satbir Singh
2	Micronutrient needs for crops	Essential nutrients, plant nutrition & disorders , needs balanced fertilizers & major source of nutrients,	On campus	15	Dr.Sanjay Koushal, Lalit Upadhyay, Satbir Singh
3	Organic farming potential & perspective	Principle, components , value of organic materials, FYM, GM, BNF, CRM, Biogas, slurry	On campus	15	Dr.Sanjay Koushal, Lalit Upadhyay, Dr. Mandeep Singh Satbir Singh
4	Cereal based complimentary foods for infants and children	Importance Introduction to various complimentary foods/weaning foods Home-Scale preparation	On campus	15	Dr.Sheetal Badyal,
5	Role of communication in agriculture development	Different communication methods	On campus	15	Dr. Banarsi Lal, Dr Shahid Ahamad ,Satbir Singh.
6	SHGs formation and management	SHGs management	On campus	15	Dr. Banarsi Lal, Dr Shahid Ahamad , Satbir Singh
7	ICTs in rural development	ICTs	On campus	15	Dr. Banarsi Lal, Dr Shahid Ahamad , Satbir Singh
8	Livestock Production & Management	Feeding Techniques, hand guided techniques for complete feed block making, leaf meal preparation.	On campus	15	Dr.M.S Azad, Lalit Upadhyay, Satbir Singh
9	Updation about	Breed survey:-	On	15	Dr. M.S Azad, Lalit

	breeds.	Updation about new breeds, identification & characterization, breeding strategies for improved production	campus		Upadhyay, Satbir Singh
10	Advances in agroforestry	agroforestry	On campus	15	Dr.M.S Azad, Dr Shahid Ahamad ,Lalit Upadhyay, Satbir Singh
11.	Disease management in Horticulture crops.	IDM, Modules of IDM Disease management in Horticulture crops.	On campus	15	Dr.Shahid Ahamad,Dr.Banarsi Lal, ,Sh.Lalit Upadhyay, Satbir Singh
12	Plant disease management in Rabi crops	IDM, Modules of IDM Plant disease management practices in Rabi crops.	On campus	15	Dr.Shahid Ahamad,Dr.Banarsi Lal,Sh.Lalit Upadhyay, Satbir Singh

Vocational trainings:

S. No.	Title	Contents	Month	Place	Duration
1	Bamboo for income generation	Methods benefits	October	On campus	four days
2	Nursery establishment of agroforestry trees for income generation	Methods Types of nursery benefits	July	On campus	four days
3	Vegetable seed production	Methods of seed production, stages, agronomic practices, field inspection & seed standards	June	On campus	Four days
4	Production of organic manure by different type of compost methods	Organic manure, importance, Composting methods, viz. Vermicompost, marketing.	Sept.	On campus	Four days
5	Protective cultivation of vegetables .	Concept, Polyhouses, Scientific techniques, Marketing	Oct	On campus	Four days
6	Entrepreneurship development in floriculture.	Concept Floriculture as an important venture for rural areas Scientific cultivation of marigold and gladiolus	June	On campus	Four Days

7	Organic farming- Need of the hour for rural develop- ment	Organic farming Scope of organic farming Need of certification for organic farm	Aug	On campus	Four Days
8	Scientific Poultry and dairy farming as a successful entrepreneur	Housing, Management practices A.I. Ration formulation, feed management, milk by products,	Oct	On campus	Four Days
9	Sheep and Goat farming as a entrepreneur	Housing ,Health Management ,Disease control and prevention, Ration formulation, feed management, Deworming	Jan	On campus	Four Days
10	Processing of Locally available fruits & vegetables	Nutritive value of Fruits & vegetables Processing methods Processing of mango, papaya & other citrus fruits Processing of locally available vegetables , tomatoes, chilli, knol-khol, turnip etc	June	On Campus On Campus	Four Days
11	Processing of Cereals	1. Cottage level processing 2. Introduction in cereal based value added products 3. Method Demonstration	Oct	on Campus	Four Days
12	Scientific cultivation of Mushroom	Importance of mushrooms in diet Methods of mushroom production. Major diseases and their management.	Feb	On Campus	Four Days
13	Bee Keeping	1. Importance of honey 2. Beekeeping management of Beehive boxes.	Oct.	On campus	Four days
14	Making of Beehive boxes.	Techniques of Beehive boxes making	Nov	On Campus	Four days
15	Vermicompost making	1. Importance of vermicompost in organic farming . 2. Structure making. 3. Rearing of earthworms etc.	Sep.	On campus	Four days

Frontline Demonstrations

S.No.	Crops	Area (ha)
1.	Cereals a) Maize b) Wheat	5.00 5.00
2.	Oilseeds a) Rape seed/mustard / Toria b) sesamum (Til)	3.00 2.0
3.	Pulses a) Mash b) Moong c) Chickpea	2.00 1.0 2.0
4.	Flowers Marigold	2.0
5.	Vegetables	2.0
6.	Fodder a) Oats b) Sorghum	2.0 2.0
7.	Backyard Poultry	2000 chicks

On Farm Trials:

S.N	TOPIC	Contents	Month	No. of Farmers
Technology Assessment				
1	Integrated weed management in wheat	T1 Farmer practice – Isoproturon 75WP+2,4 D amine Salt (500g+500ml/acre) as PoE (25-30 DAS) T2 - Recommended Sulfosulfuron+Metasulfurom methyl (13.5+8 g/acre) as PoE(25-30 DAS) T3- Imazethapyr (Persuit) (350-400ml / acre) as PoE(25-30 DAS)	Nov – Dec	5
2	Integrated weed management in mash	T1- Farmer Practice (1 HW after 30 DAS) T2 – Recommended Stomp 30 EC 1 ltr/acre T3– Fluchloralin(0.675 lt/acre)	July-Aug	5
3	Intercropping of different kharif crops with Agroforestry trees to assess the	T ₁ - Control (Yield in open field) T ₂ - Kharif crops	June-July	5

	yield under shade.			
4	Intercropping of different Rabi crops with Agroforestry trees to assess the yield under shade.	T1 – Control (yield in open field) T2 – Rabi crops	Oct.- Nov	4
5	Evaluation of different wheat varieties	T1-JAUW-598 T2-Raj.3765 T3-PBW-175	Farmers field	4
Technology Refinement				
6	Effect of concentrate mixed feeding with maize and standardized (Pre starter, starter, finisher) feeding on the growth of poultry birds .	T1-Farmer practice T2-Concentrate feed mixed with maize T3-Standardized feed	Oct	4
7	Effect of leaf meals on growth, production and parasitic control in sheep and goat	T1-Farmer practice T2-Leaf meal T3-Urea treatment	April	4
8	Management of Rhizome rot disease in ginger	T1- Farmers' practice (without corm treatment with fungicide) T2- Recommended practice: (Seed treatment with Mancozeb+bavistin) T3- T2 + Drenching in furrows with Metalaxyl.	April	4
9.	Chilli wilt disease management	T1- Farmers' practice: without seed treatment T2 – Recommended practice seed treatment with Carbendazim + Thirum (1:1) T3- Drenching with Carbondazim (0.1%)	March- April	4

Other Extension Activities:

S.No.	ACTIVITIES	No.
1.	Kisan Goshties	2
2.	Sponsored programme	Need based
3.	Field days	10
4.	Campaigns: Seed treatment, Management of Lantana camera Parthenium management , Yellow rust diseases management	4
5.	Important Days Farmers day	2
6.	Animal Health Camps	2
7.	Swacch Bharat Abhiyan	1

8	Kissan Mela	2
9	Ex-trainees sammelon	1