

# **Krishi Vigyan Kendra Reasi**



## **Proposed Action Plan 2016-17**

## Agronomy

S. No.	Title	Contents	Month	Venue	No. of participants
1	Integrated nutrient management in Kharif crops.	Essential nutrients, Soil fertility, soil productivity and sustainable agriculture	April	Letar ,pouni	20
2	Integrated weed management in <i>kharif</i>	Weed, Weed control methods, weedicides recommended	June/July	Nomain/Camble Danga	20
3	Integrated weed management in <i>rabi</i>	Weed, Weed control methods, weedicides recommended	Nov/Dec	Panasa/Dhaman	20
4	Fertilizer Use efficiency for soil health improvement	Soil fertility and productivity, Balanced Fertilizer , soil pollution and soil health	August	Vijaypur	20
5	Conservation Agriculture based management practices in maize-wheat cropping system	Principal of CA, Zero Tillage, Crop residue management and Economics of CA	Sept.	Dharmari	20
6	Zero and Min. Tillage as resource conservation technology	CA, RCT, Sustainable Agriculture and soil conservation	Oct	Kansi Patta	20
7	Forage production strategies for sustainable livestock development in rainfed hilly areas	Major constraints in forage production, Forage sequences recommended in hilly areas round the year production	May	Bidda	20

8	Farming System module for small and marginal farmers	IFS, Concept and components , Goal and advantages	Jan	Painthal	20
9	Weed management options for under privileged farming system in hilly agriculture	Cultural control, Mechanical method, Biological and Chemical	Sept.	Thuroo	20
10	Diversification for small and marginal farmers in hilly rainfed regions	Major constraints in hilly agri. Multiple cropping, crop intensification, Intercropping	Feb	Dharmari	20
11	Management practices for nutrient deficient soil	CRM,FYM/Compost/IN M, Bio fertilizer, and Cropping system	March	Kahana	20
12	Prospects and management of protected vegetable cultivation for small farmers	Importance of Green house , vegetable package and practices, varieties suitable	June	Muttal	20

### Animal Sciences

1	Major disease management in sheep and goat	Deworming , ecto and endo parasite , common disease and	Jan June	Chenani Letar	20
2	Disease control and management in equines	Common diseases of equines their management and control	Feb July	Qasi Patta Chamda	20
3	Infertility management in Large ruminants	Anoestrus, repeat breeding, pyrometer control and management	Apr Sep	Dub Khalsa Saddal Panjar	20

4	Poultry farming as a source of Socio-economic upliftment	Broiler farming, layer farming, use of vaccination, mineral supplementation, increase wt gain through standardized feeding	May Oct	Tanda Pouni	20
5	Various schemes related to A.H	Government schemes for Poultry, Dairy, Goat farming as an enterprise, project making, subsidies, use of hybrid and strains. accounts management.	Mar Sept	Vijaypur Khumbi	20
6	Balanced feeding through complete feed blocks	Use of different feed block, nutrient and mineral block feeding	Aug Nov	Sudhma hadev Tirthi	20

### Plant Pathology

S.No.	Topic	Contents	Month	Place	No. of part.
1	Major constraint in maize production in Hill regions	IDM in Maize IPM in Maize	Sep.	Dhaman	0
2	Major constraint in Pulses production in Hill regions .	Identification and Management strategies.	Aug.	Later	0
3	Major diseases of kharif vegetables and their management	Identification and Management strategies.	July	Chamada	0
4	Seed treatment in Rabi season crops.	Seed treatment methods and use of different fungicides	Oct.	Muttal	0
5	Use of Pesticides in crops	Safe handling of Pesticides in crops Doses etc.	Nov.	Sool	0

## Extension Education

S. No.	Title	Contents	Month	Venue	Participants
1.	Entrepreneurship development in Agriculture.	Concept of entrepreneurship Characteristics of entrepreneurship Functions of an entrepreneur Successful agri. entrepreneurs	June/ Feb.	Kanha/ Kund Kundariyan.	20
2.	Important agricultural information sources for rural development.	Concept Important agril. information sources Timing of different agril. information sources. Benefits	May/ Feb.	Sajoga/ Dhanu	20
3.	Role of organic farming for sustainable agriculture	Introduction Need of organic farming Challenges in organic farming Methodologies to increase production through sustainable manner Sustainable agriculture	June/Jan .	Kansi Patta/Khaira I	20
4.	Formation, management and strengthening of	Concept of SHG an FC Objectives of SHGs &	July/Feb.	Talwara/Das anu/Camble	20

	SHGs/Farmers Club	FC Method of SHGs formation & FC Principles of SHGs formation & FC Credit linkage for SHGs & FC Benefits of SHGs & FC SHGs & FC federations		Danga	
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### Horticulture

S.No	Topic	Contents	Month	Place	Part.
1	Modern systems of fruit growing in fruit crops	Introduction and advance horticulture.	Jan/ June	Karua/Sungdi	20
2	Influence of climate on fruit crop production	Low chilling varieties for subtropical zone	Feb/ July	Kotli/Shajroo	20
3	Concept of high density planting and its advantage	Concept of high density planting.	Mar/ Aug	Dhramthal /Krimchi	20
4	Physiological disorders in mango and its remedy	Causes and control measures	Apr/ Sep	Didi More/Dubi Galli	20
5	Significance of micro nutrients in fruit quality	Boron Zinc, Calcium	May/ Oct	Fadeha/Pai	20
6	Air layering and fruit cracking	Commercial propagation method	June/ July	Kotli/Later	20

7	Training & pruning of fruit crops	Training & pruning methods	Sept-Oct	Kanah/Panasa	20
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### Home Science

S.No.	Topic	Contents	Time	Place	Parti.
1	Processing/value additions of milk products	Processing Methods of processing	Jan/June	Dasanu/Khairal	20
2	Promotion and maintenance of kitchen garden for nutritional adequacy of family.	Introduction Management	Feb/July	Kansi Patta	20
3	Value addition to agricultural produce for income generation.	Introduction Scope	Mar/Aug	Talwara/Nomain	20
4	Expanding the nutritive value of food for ensuring family health.	Methods Advantages	Apr/Sep	Dasanu/Serli	20
5	Women & Children healthcare	Introduction Important supplements	May/Oct	Didi More/Mari	20
6	Processing and value addition in Aonla	Introduction methods of aonla processing	Feb/Mar	Dasanu	20

### In-Service Training

S. No.	Topic	Contents	Month	Venue	No. of participants
1	Advance Agro forestry techniques	Methods benefits	Nov	On campus	15
2	Agro forestry and climate change	Types of impact on climate	Dec	On campus	15

3	Suitability of low chilling varieties in Reasi district and need of diversification in fruit cultivation.	Requirement and feasibility of cultivation	November	On campus	15
4	Classification of fruit crops(Morphology)	Climacteric and non climacteric fruits	December	On campus	15
5	Livestock Production & Management	Feeding Techniques, hand guided techniques for complete feed block making, leaf meal preparation.	Feb.	On Campus	15
6	UMMB, Roughage feed block making, use of leaf meal, fodder management	Hand guided techniques for feed block making, use of local leaf meal for parasitic control, local fodder available	Dec	On Campus	15
7	Urban Agriculture-Need of the Hour	Concept Scope & Benefits of urban agriculture	Nov.	On campus	15
8	Mainstreaming the gender issues in extension	Present status, Women empowerment, SHGs concept	Feb.	On campus	15

### Vocational Training for Rural Youth

S. No.	Topic	Contents	Month	Place	Duration
1	Commercial cultivation of MAPs.	Imp. Plants cultivation methods	June	On campus	4 days
2	Plantation techniques of	Imp. AF Tree species	December	On	4 days

	fast growing Agroforestry tree species .	propagation techniques	mber	campus	
3	Mango bi products and use of C grade fruits for juice as income generation tool	Mango bi products and use of C grade fruits	June	On campus	4 days
4	Nursery raising and use of polyhouse for grafting as a sale counter for quality planting material	Nursery raising and use of polyhouse	December	On campus	4 days
5	Agri Entrepreneurship development through Vermicomposting.	Compost/OM/FYM/Vermicompost Site and worms selection, Bedding and Harvesting, Production process and potential income	June	On campus	4 days
6	Prospects and management of protected nursery raising and vegetable cultivation for small farmers .	Nursery raising ,Importance of Green house , vegetable package and practices, varieties suitable, Potential Income	December	On campus	4 days
7	Milk and Milk product technology	Scientific by product making, products with increase shelf life, common milk adulterants and their detection, SHG and small entrepreneur group making.	July	On Campus	4 days
8	Fodder management and feed block making using locally available materials	Round the year fodder availability Urea treatment of straw Roughage block	January	On Campus	4 days

		making UMMB making Leaf block making Parasitic control through use of leaf meals.			
9	Scientific Poultry and dairy farming as a successful entrepreneur	Housing, Management practices A.I. Ration formulation, feed management, milk by products, Disease management , market linkage, record keeping	Oct	On campus	4 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.	Oct	On Campus	4 days
11	Scientific cultivation of Mushroom	Importance of mushrooms in diet Methods of mushroom production. Major diseases and their management.	Feb	On Campus	4 days

12	Entrepreneurship development in floriculture	Scope, entrepreneurship development in floriculture	June	On campus	Four Days
13.	Entrepreneurship development in vegetables growing.	Concept Challenges in vegetables entrepreneurship Marketing	July	On campus	Four Days

### On Farm Trials

S. No.	Title	Contents	Month	No. of farmers
1	Evaluation of different weed management options in Maize	T1: Hand hoeing 25 DAS and Earthing up 40DAS (Farmer practice) T2:Atrazine @1.00 kg ha <sup>-1</sup> (Recommended) T3: Atrazine@0.75 kg ha <sup>1</sup> (Pre Emergence) + 2,4D 1.00 kg ha <sup>-1</sup> (Post Emergence 30DAS)	June/ July	4
2	Weed management in wheat	T1: 2,4D ethyl ester 500ml /acre + Isoproturon 75WP 500gm /acre 25-30 DAS (Farmer practice) T2:Sulfosufuron @ 25gm/acre+ Metsulfuron 7 gm/acre (Recommended) 25-30 DAS T3: Imazamethabenz (Assert) 350-400ml/ acre as post emergence 25-30 DAS	Nov.	4

3	Intercropping of different kharif crops (Black gram) with Agroforestry trees to assess the yield under shade.	T <sub>1</sub> - Control (Yield in open field) T <sub>2</sub> - Under shade	July	4
4	Intercropping of different Rabi crops with Agroforestry trees to assess the yield under shade.	T1 – Control (yield in open field) T2 – Rabi crops under shade	Nov.	4
5	Effect of looping of AF trees on the crops under their shade in kharif season	T1: Farmer practice T2: 25% looping T3: 50% looping	June	4
6	Effect of looping of AF trees on the crops under their shade in rabi season	T1-Farmer Practice T2-25% looping T3-50% looping	January	4
7.	Effect of 2,4-D on fruit drop in mango	T0-Control T1-10ppm T2-20ppm T3-30ppm	March/ April	4
8	Effect of spacing on the yield of brinjal.	T1-Farmer practice T2-60x45cm T3-90x60cm	March/ April	4
9	Effect of spacing on the yield of cauliflower.	T1-Farmer practice T2-45x45cm T3-45x60cm	Sept./O ct.	4

9.	Early Detection of mastitis using California Mastitis Test and comparison of different antibiotics	T1: Enrofloxacin T2:Gentamycin T3: intramamry Cephalosporins	Aug	10
10.	Effect & Role of leaf meals on growth, production and parasitic control in sheep and goat	T1-Farmer practice T2-Leaf meal T3-Complete Feed block	April	4
11.	Effect of paclobutrazole for regular flowering in mango.	T0-Control T1-2gm T3-5gm	March	4

### Frontline Demonstrations 2016-17

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)	6.00 2.0
3.	Pulses a) Mash b) Moong c) Chickpea	4.00 2.0 6.0
4.	Flowers Marigold	2.0
5	Vegetables	2.0
6.	Fodder	2.0

	a) Oats b) Sorghum	2.0
7.	Backyard Poultry	3000 chicks
8.	Mushroom	100 bags

### Extension programmes during 2016-17

Type of Extension Approaches	No. proposed
Field days	7
Farmers fairs	2
Awareness Programmes Parthenium management	2
Important Day celebrated (World animal day, Environment day, Soil day)	3
Kisan Gosthi	2
Animal Health camp	4
Agri clinic camp	2
Campaigns: Seed treatment, Yellow rust diseases management	4
Swatch Bharat Abhiyan	2