



ACTION PLAN

2017-18

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Proposed Action plan for the Year 2017-18.

Farmers Trainings:

Agronomy :12

S.no	Title	Contents	Month	Venue	Participants
1	Production of vermicompost in low cost vermicompost unit	Organic fertilizer , Introduction Vermicomposting, Types , Methods, Process of vermicomposting, Harvesting and Preventive measures, Nutrient content of vermicompost Advantages and dose.	January	Panthal	20
2	Application of balanced fertilizer in rabi crops on the basis of soil test	Soil Test is Mandatory for Agriculture, Trend in Fertilizer Consumption, Soil Testing and Recommended Doses of Fertilizers its constraints.	November	Bhaga	20
3	Soil health management through better and efficient utilization of farm residues	Soil Health: Concerns and Opportunities, Challenges for Improving Soil Health, Recent Advances in Nutrient Management, Organic Recycling and Soil Health	October	Garan	20
4	Scientific cultivation of rabi crops	Package and practices of Wheat, Chickpea, Lentil, Oat	November	Pouni	20
5	Scientific cultivation of marigold	Climate requirement, soil species and cultivars, Indigenous varieties of African Marigold, Land preparation, Nursery raising, Transplanting of seedling , manure and fertilizer, weeding , Pinching/ nipping and earthing up, Disease management and harvesting	January	Laiter	20
6	Commercial Organic farming	Potential of organic farming, Availability of organic inputs, Vermicompost, Biofertilizers, Disease and Pest management in organic farming	September	Gran Morh	20
7	Resource conservation Technology	CA, Sustainable agriculture, Soil and water conservation, raised beds planting techniques, Laser levelling,	December	Talwara	20

		Zero and Min.tillage,Green manuring, Direct seeding, CRM			
8	Low external inputs sustainable agriculture LEISA	Traditional agriculture, High external input agriculture, Sustainable agriculture and LEISA	October	Kansi Patta	20
9	Fertiliser use efficiency for improved crop production	Soil fertility and productivity, Balanced fertilizer,	June	Tirthi	20
10	Preparation and use of panchgyavya in Organic farming	Organic farming Panchgavya Amrit Pani Bija amrit, Dashpani ark	August	Sirah	20
11	Integrated farming system in hilly area	Farming system Components, economic	March	Dadua	20
12	Training on soil testing and its importance	Essential Nutrients, Soil fertility, Soil health, Soil testing	April	Bhagta	20

Animal Science:06

S. No	Topic	Contents	Month	Place	Participants
1	Breeding,Feeding and Disease management in Large ruminants	Use of anthelmintic and management practices	May-June	Beli/ Pouni	20
2	Enhancement of milk by product technology and ways to check milk adulteration	Increasing shelflife, traditional milk byproducts	July-Aug	Talwara / Chkahar	20
3	Promotion of Backyard poultry farming for women farmers	Poultry farming by landless and BPL farmers as steady source of income	Sep-Oct	Panessa / Dirthi	20
4	Major disease management in sheep and goat	Deworming , ecto and endo parasite , common disease and	April-May	Panessa / Chumbian	20
5	Prevention and control and treatment of Mastitis	Symptoms, precaution and control	Feb-March	Kotli manotri an / Chakhar	20
6	Disease control and management in equines	Common diseases of equines their management and control	Nov-Dec	Chamed a/ Katra	20

Plant Pathology: 03

S.No	Topic	Contents	Duration	Place	No. of participants
1.	Major diseases of kharif vegetables and their management	Identification and Management strategies.	July	Operational Villages	20
2.	Integrated Disease Management in wheat	Introduction, Difficulties Management	Sept./Oct	Operational villages	20
3.	Disease management in Kharif pulses.	Major diseases in Kharif pulses Their management			

Extension Education:08

S.No	Topic	Contents	Duration	Place	No. of participants
1	Entrepreneurship development in Agriculture.	Concept of entrepreneurship Characteristics of entrepreneurship Functions of an entrepreneur Successful agri. entrepreneurs	April/Oct.	Dheerti/ Chamada	20
2	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	May/Dec.	Gran More/ Serwad	20
3	Formation & Management of Farmers Clubs/Self Help Groups	Concept of SHG/Farmers Clubs Method of formation of SHGs/farmers club Objectives of SHGs/farmers clubs Principles of SHGs/farmers clubs Stages of SHGs/ farmers clubs Benefits of SHGs/farmers clubs Credit linkage for SHGs Farmers Clubs SHGs federations	June/March	Dasanu/ Chaiter/ Camble Danga	20

4	Important agricultural schemes/programmes for rural development	Need of centrally/state sponsored schemes/programmes Benefits	Dec.	Thoru/Muttal	20
5	Climate change and sustainable agriculture	Introduction Need of organic farming Challenges in organic farming Methodologies to increase production through sustainable manner Sustainable agriculture	July/Jan.	Kahnah/Bharakh	20
6	Income generation activities of rural women for rural upliftment.	Concept Income generation activities for rural women Challenges Women empowerment	June/Feb.	Dasanu/Khairal	20
7	Training programme on organic agriculture for sustainable development.	Introduction Why organic agriculture? Scope of organic agriculture in hilly areas Process Marketing	Sept./Dec./Feb.	Dharmari/Kansi Patta/Mahore	20
8	Role of communication in agricultural development	Communication Importance of good communication Scope of communication for agriculture development	Oct.	Chamada/Kundra	20

Horticulture:06

S.No.	Topic	Contents	Month	Place	No. of participants
1	Organic horticulture practices for rural development.	Concept of organic farming Organic manures in horticulture Biofertilisers Scope Benefits.	May/June	Kahnah/Kansi Patta	20
2	Integrated nutrient management in horticulture crops	Balanced Fertilization Time and method of fertilizer application.	June/July	Chamada/Laiter	20
3	Training and pruning of fruit crops	Methods of Training and pruning. Importance and impacts of pruning.	April/Dec.	Sajoga/Bharakh	20

4	Planning and planting of new orchards.	Season of planting Method and precautions while planting.	April/May	Panasa/Dheerti	20
5	Protected cultivation of vegetables.	Polyhouse cultivation Precautions in protected cultivation Benefits.	April/Oct	Gran More/Kahnah	20
6	Scientific cultivation of Marigold	New varieties Season of cultivation Market linkages	May/Jan.	Bhagta/Fadeha	20
7	Scientific cultivation of spices for rural development	Important species New Varieties Preservation and storage	March/April	Talwara/Dasanu	20

Home Science:03

S.No.	Topic	Contents	Time	Place	Participants
1	Processing/value additions of cereals and pulses.	Processing Methods of processing	Jan/June	Operational village	20
2	Value addition to agricultural produce for income generation.	Introduction Scope	Mar/Aug	Operational village	20
3	Women & Children healthcare	Introduction Important supplements	May/Oct	Operational village	20

In-service training:10

S. No.	Topic	Contents	Month	Participants
1	Climate change and its impact	Introduction Consequences of climate change , Global warming, Mitigation, Conclusion	Aug.	15
2	Entrepreneurship development in organic farming.	Concept Why organic farming? Scope of organic farming Challenges in organic farming Entrepreneurship development Benefits of organic farming	Feb.	15
3	Resource management for better crop production and soil health	Concepts, Goals, and Components, Soil Fertility and Soil Health , Sustainable Agriculture Practices,	Aug	15

		Crop residue management, soil erosion , compost and animal manure		
4	Residue management, conservation tillage and soil restoration for mitigating greenhouse effect	Soil Forming Factors, Processes, Soil structure , texture, Erosion Impact, Agronomic measures, Conventional Tillage, Conservation Tillage	Oct	15
5	Nutrient Management in Organic Agriculture	Essential Plant nutrients, Organic sources of nutrients, Organic farming, Composting, Bio fertilizer, Agronomic practices, CRM, Cropping pattern	Jan	15
6	Planning & layout of orchards.	Planning and planting of new orchards. Nutrition of fruit crops.	May/J une	15
7	Influence of climate change in fruit growth of Reasi District	Climate change impact on fruit crops.	April/ Nov.	15
8	Role of balanced ration formulation & feed block making in improving overall health status of live stock	Balanced ration formulation and feed block making	May	15
9	Recent advances and future prospects in sheep and goat farming	Feeding ,Breeding and management strategies for sheep and goat farming	Jan	15

Training for Rural Youth (Vocational trainings):11

S. No.	Topic	Contents	Month	Place	Duration
1.	Commercial marigold cultivation as an enterprise	Potential of floriculture , Scenario, Package practices of marigold cultivation, Weed Pest and disease management, Harvesting, byproducts of marigold and marketing	December	On campus	4 days
2.	Sheep and Goat farming as an enterprise	Starting a unit, Selection of breed, nutrition management , disease control, government schemes,marketing,wool production,meat production,by product making	Oct- Nov	On campus	4 days
3.	Layer farming as an enterprise for women	Importance & scope Rearing, feeding, major	Dec	On Campus	4 days

	farmers .	disease management, use of high egg laying varieties, Project formulation, loan availability			
4.	Value addition of locally available fruits.	Introduction Processing methods Scope	July/Aug.	On Campus	4 days
5	Nursery management in horticulture crops	Horticulture nursery as enterprise Management of nurseries	June/July	On campus	Four Days
6	Post Harvest Techniques for preservation of fruit crops	Packaging and Practice for Marketing	July/Aug.	On Campus	Four Days
7	Entrepreneurship development in floriculture	Introduction Scope in floriculture Strategies to increase the floriculture industry Floriculture as an entrepreneurship Benefits	June	On campus	four days
8	Entrepreneurship development in vegetables growing.	Concept Challenges in vegetables growing entrepreneurship Marketing	July	On campus	four days
9	Agri- Entrepreneurship development through Organic Farming	Potential of organic farming, Availability of organic inputs, Vermicompost, Biofertilizers, Preparation Green manuring , Use of panchgyavya, Amrit paani, Beeja amrit, Zeeva Amrit, Trespaani tark,Disease and Pest management in organic farming Biodynamic farming, Netuco farming, Homofarming	August	On Campus	4 days
10	Scientific mushroom cultivation	Techniques of mushroom cultivation, Benefits	Nov.	On Campus	4 days

On Farm Trials: (2017-18)

S.N.	TOPIC	Contents	Month	No. of Farmers
1	Use of thiourea for mitigation of moisture stress in Mustard	T1 : No Spray T2: <u>urea@0.05%</u> or 0.5 g in 1 liter.of water at 50% flowering and 50% siliqua development stage(40-50 & 90-100 DOS) T3: <u>thiourea@0.05%</u> or 0.5 g in 1 liter.of water at 50% flowering and 50% siliqua development stage(40-50 & 90-100 DOS)	Oct/nov	5
2	Field evaluation of maize-legume intercropping system	T1: Broadcasting T2: Line sowing (sole crop) (spacing 75cm) T3:Maize Intercropping with cowpea	May/Jun	5
3	Weed management in wheat	T1:FP 2,4-D ethyl ester 500 g/ha 30-35 DAS T2:Isoproturon + 2,4-D 1000 + 500 g ha ⁻¹ at 30 DAS T3:Mesosulfuron -methyl+Idosulfuron 12+2.4 g /ha at 30 DAS	Oct/nov	5
4	Evaluation of Different Wheat Varieties under Rainfed Agro-Ecological Conditions	T1 : FP PBW 175 T2: Raj 3077 T3:HD 3043	Nov/Dec	5
5	Nutrient management using bio-fertilizer organic inputs in chickpea	T1: FYM 12t/ha T2: Vermicompost 6t/ha+ <i>Rhizobium</i> 25 g/ Kg Seed (Seed treatment) T3 : FYM12 t/ha + <i>Rhizobium</i> 10 kg/ha+ PSB10 kg/ha+ <i>Trichoderma</i> 5 kg/ha Top dressing Vermicompost 4.83 t/ha 30 DAS	Oct/Nov	5
6	Nutrient management using bio-fertilizer organic inputs in ginger	T1: FYM 22t/ha T2: Vermicompost 16t/ha T3: Vermicompost 16t/ha Top dressing of organic manures, Panchagavaya18 L/600 L water/ha 60,90, 120 DAS/Cow urine 60 L/ 600 L water/ha 30,45,60,60,90 DAS	Apr/may	4
7	Management of red pumpkin beetle in bottle gourd	T1-Farmer practice T2-Acetamitrid 1gm/litre of water T3-Spray of Chloropyriphos 20 EC@2ml/litre of water	May/June	4

8	Effect of transplanting time on yield of onion	T1-25 th Dec. T2-15 th Jan. T3-25 Jan	Dec/Jan.	4
9	Nutrient management using bio fertilizer organic inputs in ginger	T1: FYM 17.4t/ha T2: Vermicompost 12.8 t/ha T3:Rock phosphate 100kg/ha Top dressing of organic manures Panchagavaya18 L/600 L water/ha 60,90, 120 DAS/Cow urine 60 L/600 L water/ha 30,45,60,60,90 DAS	APRIL/MAY	4
10	Replacement of wheat straw in large ruminants ration with maize cob	T1-Wheat straw + Concentrate T2-50 %wheat straw + 50% maize cobs + Concentrate T3-100% maize cobs + Concentrate	June/July	10
11	Performance of Panchgavya in poultry production	T1 -Maize feeding T2-Maize feeding + Panchgavya100ml/100 birds daily in drinking water T3-Strandarized Feed +Panchgavya100ml/100 birds daily in drinking water	July	5

Frontline Demonstrations 2017-18

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	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	3000 chicks
8.	Mushroom	200 bags
9	UMMB	500 blocks

Extension Activities/Programme during 2017-18

Activities	No. proposed
Field days	7
Farmers fairs	1
Awareness Programmes on Parthenium Management	2
Important Days (World animal day, Environment day, Soil day etc.)	3
Kisan Gosthi	2
Animal Health camp	4
Agri -clinic camp	2
Campaigns: Seed treatment, Yellow rust diseases management	4
Swatch Bharat Abhiyan/Swachhata Pakhwada	2
Ex-Trainees Sammelen	1