

ACTION PLAN FOR THE YEAR 2017 - 2018 (APRIL TO MARCH)

1. **Name of the KVK** : HOLY CROSS KRISHI VIGYAN
KENDRA, HAZARIBAG
2. **Name of the Host Organization** : Holy Cross Institute, Hazaribag
3. **Training programme to be organized** : **(April 2018 to March 2019)**
- a) **Farmers and farm women**
ON Campus

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
CROP PRODUCTION									
Integrated nutrient management	Application of Organic manure & recommended fertilizer as basal dose in maize (INM)	1	1	4	0	21	20	5	25
Seed Production	Variety, seed rate, seed treatment by FIR in Redgram, Greengram, blackgram and sowing in rows.	3	2	10	10	40	50	10	60
Use of farm implements	Nursery bed preparation & raising seedlings of paddy for paddy transplanted	1	2	0	0	15	15	-	15
Seed production	Seed rate, seed treatment, nursery bed preparation for raising seedling under SRI & conventional method for seed multiplication	1	2	10	10	40	50	10	60
Nursery management	Seed treatment and nursery bed preparation for raising seedlings of transplanting paddy	1	2	5	0	15	15	5	20
Integrated crop management	Variety, seed rate and seed treatment and sowing in rows of Redgram, blackgram and green gram	2	2	10	10	35	45	10	55
	Variety, seed rate, seed treatment, seed germination technology and sowing of paddy seed from plastic drum seeder in case of delayed monsoon	1	2	2	2	16	15	5	20

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Farm implements for climate resilient situation	Variety, seed rate, seed treatment , seed treatment, seed germination technology and sowing of paddy seed from plastic drum seder in case of delayed monsoon	1	2	2	2	16	15	5	20
Integrated crop management	Variety, Seed rate, seed treatment and nursery bed preparation for raising of transplanting paddy under SRI, technique	1	2	0	0	20	15	5	20
	Variety, seed rate, seed treatment, application of recommended fertilizer as basal dose in niger and sowing in rows	2	2	7	7	36	40	10	50
	Inoculation of lentil with Rhizobium culture required for Lentil treatment	1	2	6	0	14	15	5	20
	Variety, seed rate, seed treatment, application of recommended fertilizer as basal dose in linseed	1	2	5	15	0	15	5	20
	Variety, seed rate, seed treatment, application of recommended fertilizer as basal dose in Toria and Rai with sowing in rows	2	2	8	8	19	25	10	35
	Variety seed treatment by FIR (Fungicide insecticide Rhizobium) method in gram & sowing in rows	1	2	6	6	13	16	9	25
	Seed production	Variety, seed rate, seed treatment fertilizer dose and it's method of placement in mustard, wheat & gram under seed multiplication	2	2	0	0	25	20	5
Integrated crop management	Application of recommended fertilizer dose in wheat & sowing in rows	1	2	2	2	16	20	-	20

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Integrated crop managemen	Variety, seed rate, seed treatment technique, application of recommended fertilizer dose in sowing of rows in wheat under SWI technique	2	2	0	0	50	35	15	50
HORTICULTURE									
Vegetable crop production of low volume & high value	Seedling treatment of tomato (F ₁) and transplanting at proper spacing	1	1	6	5	14	11	14	25
	Transplanting of sweetpepper at proper spacing in double row system	1	1	5	5	15	15	10	25
Cultivation of fruits	Regulation of flowering in guava for better quality fruit production	1	1	8	10	7	14	11	25
Tuber crops	Digging of pits of appropriate size for planting of seed corms of elephant foot yam	1	1	10	5	10	17	8	25
Nursery raising	Nursery bed preparation for raising seedlings of rainy season tomato	1	1	5	5	15	16	9	25
	Nursery bed preparation for raising seedlings of early cauliflower	1	1	6	6	13	17	8	25
Spices	Seed treatment & raising of seedlings of rainy season onion	1	1	3	5	17	21	4	25
Ornamental plants and nursery management	Seedling raising of African Marigold on raised nursery beds	1	1	5	5	15	16	9	25
Plant propagation techniques	Epicotyle grafting in mango	1	1	5	5	15	20	5	25
Grading & standarization	Grading of tomato to fetch high pric in town / city market	1	1	5	5	15	18	7	25

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Flowers	Pinching of African marigold at appropriate stage for increasing number of branches and flower production	1	1	8	10	7	14	11	25
Nursing raising	Nursery bed preparation for raising healthy seedlings of sweetpepper	1	1	5	5	15	16	9	25
Plant propagation	Air layering in litchi & guava	1	1	6	6	13	16	9	25
Exotic vegetables	Transplanting of broccoli seedlings at proper spacing	1	1	5	5	15	18	7	25
Management of young plants/ orchard	Application method of manures and fertilizers in mango plants	1	1	5	5	15	16	9	25
Plant Propagation	Veneer grafting in mango	1	1	5	5	15	16	9	25
Spices	Nursery bed preparation and raising of seedlings of onion	1	1	5	5	15	16	9	25
Ornamental plants and nursery management	Nursery bed preparation for raising seedlings of African marigold	1	1	5	5	15	16	9	25
Nutrery raising	Raising of seedlings of bottlegourd, bittergourd, spongegourd, ridgegourd, cucumber & watermelon	1	1	5	5	15	16	9	25
Vegetable, crop production of low volume and high value	Transplanting of sweetpepper seedlings at proper spacing	1	1	5	5	15	16	9	25
Management of young plants/orchard	Irrigation at regular interval in mango to check fruit drop	1	1	5	5	15	16	9	25

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
SOIL SCIENCE									
Production and use of organic	Preparation of vermicompost and its use	1	1	10	10	20	20	20	40
INM	Integrated nutrients management in paddy crop	1	1	-	-	20	10	10	20
INM	Site specific nutrients management in maize	1	1	-	5	20	20	5	25
INM	Use of poultry manure to increase productivity of potato	1	1	10	10	5	15	10	25
Nutrients management	Use of balance dose of nutrients in cereals and Rabi pulses	1	1	-	10	20	20	10	30
Fertility management	Soil health management techniques	1	1	-	-	25	20	5	25
INM	Site specification nutrients management in wheat crops	1	1	5	10	10	15	10	25
LIVESTOCK PRODUCTION & MANAGEMENT									
Poultry management	Care and management of broiler birds during summer season	1	1	10	5	5	12	8	20
Piggery management	Prevention of piglet anemia through prevention medicines	1	1	10	5	5	14	6	20
Dairy management	Care and management of dry pregnant animals	1	1	5	5	10	13	7	20
Goat management	Care and management of goat during gestation period	1	1	3	3	14	13	7	20
Disease management	Control of Hemorrhagic septicemia ,black quarter and FMD through vaccination	1	1	5	5	10	13	7	20
Feed and fodder management	Agro technique of berseem cultivation for green fodder	1	1	5	5	10	14	6	20
	Agro technique of maize (African tall) cultivation for fodder	1	1	5	5	10	14	6	20
Disease management	Measures to control endo & ecto parasites	1	1	5	5	10	14	6	20

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Disease management	Importance of vaccine in animals and vaccination schedule in animals	1	1	3	3	14	15	5	20
Poultry management	Deworming of backyard poultry birds to enhance egg production	1	1	5	15	5	11	14	25
Feed and fodder management	Making of hay & silage	1	1	-	10	10	14	6	20
Dairy management	Care and management of sick animals	1	1	5	5	10	14	6	20
Disease management	(PPR) management through vaccination in goat	1	1	5	5	10	14	6	20
Piggery management	Management of piglet anaemia through medicine	1	1	5	15	-	14	6	20
Goat management	Breed improvement of indigenous goat by improved bucks	1	1	5	10	5	9	11	20
Disease management	(FMD) management through vaccination	1	1	5	5	10	14	6	20
PLANT PROTECTION									
IPM	Emerging pest problem in Agriculture & there IPM	1	1	4	5	11	17	3	20
	Component of IPM & Importance of IPM in vegetables	1	1	5	5	15	20	5	25
	Use of light & pheromone trap in paddy & pigeon pea for insect management	1	1	5	5	10	20	-	20
	Use of <i>Trichogramma</i> spp. in vegetable & Paddy field	1	1	5	5	10	20	-	20
Rodent Management	Management practices of Rodent in field	1	1	5	5	10	14	6	20
	Management practices of Rodent for house hold (storage)	1	1	9	8	10	15	12	27
Pest management	Role of biodiversity in pest & disease management in cereals crops	2	1	14	6	30	34	16	50
	Role of Ecological Engineering in pest management (Rice, vegetable)	1	1	13	-	6	11	8	19

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Fungicide & insecticide	Safe handling of chemical pesticides	1	1	7	10	-	10	7	17
	Selection of fungicide & insecticide according to crop	1	1	13	3	8	14	10	24
	Identification of pest & Integrated disease management of solanaceous vegetables	1	1	5	5	10	20	-	20
	Use of Botanicals pesticides for pest management	1	1	5	5	10	20	-	20
HOME SCIENCE									
Women & child care	Preparation of oral rehydration solution	1	1	5	5	5	-	15	15
Design & Development for high	Preparation of infant food with quality protein maize	1	1	7	6	7	-	20	20
Women & child care	Preparation of moringa leaf powder and its importance for anemia mothers and children	1	1	7	7	6	-	20	20
Value addition	Preparation of mango pickle	1	1	7	7	6	-	20	20
Household food security by kitchen gardening	Nutrition value of vegetables and layout of nutritional garden	1	1	-	20	-	-	20	20
Design & Development for high	Preparation of low cost balanced diet for women and child	1	1	9	8	8	-	25	25
	Preparation of homemade supplementary food	1	1	7	7	6	-	20	20
Health & hygiene	Importance of personal hygiene for women	1	1	7	7	6	-	20	20
Health & hygiene	Importance of personal hygiene to prevent disease and identification & management of water born disease	1	1	7	6	7	-	20	20
Minimization of nutrient loss of processing	Methods of nutrient loss in green vegetable while cooking	1	1	7	6	7	-	20	20
Herbal medicine	Planting of Persia Americana (Avocado) and moringa, Artemisia	1	1	8	9	8	12	13	25

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Income generation	Preparation of white phenyl	1	1	8	8	9	12	13	25
Value addition	Preparation of Amda pickle	1	1	5	5	5	-	15	15
	Preparation of amla pickle	1	1	7	6	7	-	20	20
Income Generation	Preparation of candles in different shape and design	1	1	8	8	9	13	12	25
Designs development for high nutrients efficiency diet	Preparation of homemade food supplement from locally available ingredients	1	1	7	8	5	-	20	20
Value addition Value addition	Preparation of guava jelly	1	1	5	5	5	-	15	15
	Preparation of guava jelly	1	1	7	7	6	-	20	20
Women & child care	Preparing of low cost balanced diet for anemia children and women	1	1	7	7	6	-	20	20
Health & hygiene	Importance of personal hygiene	1	1	8	9	8	12	13	25
MUSHROOM									
Mushroom Production	Disease management of oyster, milky and button mushroom	5	1	45	40	50	75	60	135
	Different methods of mushroom production	5	1	35	15	65	70	45	115
Compost preparation	Compost preparation for button mushroom	1	1	13	-	6	11	8	19
Mushroom unit management	Uses of farm waste for mushroom production	2	1	15	20	-	20	15	35
	Time utilization & economic importance of mushroom	2	1	26	8	16	30	20	50
Total		116		657	636	1333	1569	1057	2626

OFF CAMPUS

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
CROP PRODUCTION									
Integrated Crop management	Line transplanting of paddy seedlings at proper spacing and placement of appropriate dose of manure and fertilizer for SRI technique	2	2	0	0	40	30	10	40
Weed management	Control of weeds by using chemical herbicide in maize (selection dose & stage of application & spraying method)	2	2	5	0	35	33	7	40
Integrated Crop management	Line transplanting of paddy seedlings at proper spacing & placement of appropriate dose of fertilizer	2	2	5	0	35	33	7	40
Weed management	Weed management in paddy under plastic drum seeder	1	1	2	2	16	15	5	20
	Weed management in paddy under SRI technique	1	1	0	0	20	15	5	20
Integrated weed management	Control of weeds by using chemical herbicide in paddy (selection, doses, stage of application and spraying method)	2	2	10	40	0	40	10	50
Use of implements	Weed control in wheat by (SWI)using weeder	2	2	50	0	0	35	15	50
Integrated Crop management	Control of broad leave weeds by using selective herbicide in wheat under zero tillage (dose, stage of application & how to spray)	2	2	50	0	0	40	10	50
Production and use of organic inputs	Production and importance of green manuring	1	1	-	-	20	15	5	20
INM	Integrated nutrients management in pulses	1	1	5	10	15	-	30	30

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
HORTICULTURE									
Cultivation of fruits	Regulation of flowering in guava for better quality fruit production	1	1	5	5	15	16	9	25
Tuber crops	Digging of pits at proper spacing and planting of seed corm for elephant foot yam	1	1	5	5	15	16	9	25
Nursery raising	Nursery bed preparation for raising seedlings of rainy season onion	1	1	5	5	15	16	9	25
Plant propagation	Air layering in guava, litchi and citrus	1	1	5	5	15	16	9	25
Management of young plants / orchard	Intercropping of vegetables in nearby established orchard	1	1	6	4	15	17	8	25
Grading and standardization	Stages of maturity in tomato for harvesting depending upon purpose of use	1	1	5	5	15	16	9	25
Exotic vegetables	Transplanting of broccoli seedlings with balanced dose of fertilizer at proper spacing	1	1	5	5	15	16	9	25
Management of young plants/ orchard	Application of manures & fertilizers in non- bearing young mango plants	1	1	6	6	15	18	9	27
Spices	Transplanting of onion seedlings in rows at proper spacing	1	1	6	5	14	17	8	25
Nursery raising	Raising of cucurbitaceous seedlings in poly bags	1	1	6	6	16	18	10	28
Exotic vegetables	Harvesting of central head in broccoli at right stage	1	1	5	5	15	16	9	25
Management of young plants / orchard	Irrigation at regular interval in mango to check fruit drops	1	1	5	5	15	16	9	25
SOIL SCIENCE									
Soil testing	Economic benefit from soil testing	1	1	-	-	30	20	10	30
	How to benefit soil health cards to farmers	1	1	-	25	-	20	5	25

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Soil testing	Economic benefit from soil testing	1	1	10	5	10	20	5	25
Production and use of organic inputs	Production and importance of green manuring	1	1	-	10	10	10	10	20
Production and use of organic inputs	Production and importance of azola	1	1	-	-	20	10	10	20
INM	Integrated Nutrients management in Wheat	1	1	10	-	15	15	10	25
Fertilizer management	Fertilizer management in upland, midland and low land paddy crop	1	1	10	5	10	15	10	25
Bio fertilizer	Role of bio fertilizers and its use	1	1	-	10	20	20	10	30
Nutrient Management	Integrated nutrients management in Potato	1	1	5	5	10	15	5	20
INM	Integrated nutrients management in Rabi Pulses	1	1	5	10	5	15	5	20
Soil testing	Economics benefit from soil testing	1	1	10	-	20	15	15	30
Micro nutrients efficiency	Role and deficiency symptom of micro nutrients in vegetables crop	1	1	-	25	-	20	5	25
Soil testing	Importance of soil health card and how to collect soil samples for soil testing	1	1	10	5	10	20	5	25
Micro nutrients deficiency	Role boron and its importance in vegetables and fruit plant	1	1	10	10	10	15	15	30
Production and use of organic inputs	Preparation of vermin compost and its use	1	1	-	15	15	20	10	30
Management of problematic soil	Reclamation of problematic soil	1	1	-	25	-	20	5	25
Mutrienmts use efficiency	Use of urea as foliar application in cereals	1	1	0	0	20	10	10	20

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
LIVESTOCK PRODUCTION & MANAGEMENT									
Backyard Poultry management	Care and management of poultry birds for reducing stress	1	1	10	10	5	11	14	25
Piggery management	Effect of feeding hotel wastage on the live body wt. gain of pigs	1	1	10	10	5	20	5	25
Disease management	Prevention of Hemorrhagic septicemia and black quarter in cattle and buffalo through vaccination	1	1	5	5	10	13	7	20
Feed and fodder management	Agro technique of maize cultivation for green fodder	1	1	5	5	15	16	9	25
Disease management	Causes and management of mastitis	1	1	5	5	10	13	7	20
Goat management	Upgradation of indigenous goat by beetal buck	1	1	5	5	10	13	7	20
Poultry management	Control of endo /ecto parasite to enhance egg production	1	1	10	10	5	17	8	25
Piggery management	Prevention of anemia through the administration of iron injection	1	1	10	10	5	17	8	25
Feed and fodder management	Agro techniques of berseem cultivation	1	1	5	5	15	16	9	25
Disease management	Prevention and control of ecto and endo parasite in goat	1	1	5	5	15	16	9	25
Diary management	Care and management of cattle during and after parturition	1	1	5	5	15	16	9	25
Piggery management	Measures to control piglet mortality due to low temperature	1	1	10	10	5	19	6	25
Disease management	Management of foot and mouth disease in cattle and buffalo	1	1	5	5	15	16	9	25
Goat management	Importance and benefits of breed improvement in goat	1	1	5	5	15	16	9	25

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Poultry management	Benefits of improved backyard poultry breeds and its care and management	1	1	10	10	5	19	6	25
PLANT PROTECTION									
IPM	Importance of IPM in agriculture	1	1	9	8	10	15	12	27
	Importance of IPM in vegetables	1	1	7	3	13	14	9	23
	Importance of pheromone trap in paddy & chickpea	1	1	13	-	6	11	8	19
Rat control	Rat control in paddy crops	1	1	7	10	-	10	7	17
	Rat management in wheat crop	1	1	13	3	9	15	10	25
Pest management	Management of pest in nursery	2	1	10	10	20	40	-	40
	Pest management in paddy crop	1	1	5	5	10	20	-	20
Fungicide & insecticide	Precaution and use of pesticide	1	1	4	5	11	17	3	20
	Selection of fungicide & insecticide	1	1	5	5	15	20	5	25
	Identification of potato disease and suggestion	1	1	5	5	10	20	-	20
	Management of pest through cultural practices	1	1	5	5	10	20	-	20
HOME SCIENCE									
Herbal medicine	Preparation of herbal ointment & balm	1	1	20	35	10	35	30	65
Value addition	Preparation of mango pickle	1	1	5	5	5	-	15	15
Health and hygiene	Prevention of water born disease by using Janta Water filter.	1	1	7	7	6	-	20	20
	Importance of personal hygiene	1	1	7	7	6	-	20	20
	Prevention, identification and management of water born disease	1	1	5	10	10	10	15	25
Household food security by nutritional gardening	Nutrition value of vegetables and layout of nutritional garden	1	1	-	20	-	-	20	20

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
Design & development for high nutrient efficiency diet	Preparation of homemade food supplement from locally available grains & pulses	1	1	7	7	6	-	20	20
Value addition	Preparation of tomato pickle	1	1	7	7	6	-	20	20
	Preparation of Mahua pickle	1	1	6	7	7	-	20	20
Herbal medicines	Identification of locally available herbal plants and preparing tonic & ointments	1	1	5	10	10	10	15	25
Income Generation	Preparing candles with different designs	1	1	7	8	10	12	13	25
MUSHROOM									
Mushroom Production	Disease management in edible mushroom	2	1	10	8	12	18	12	30
	Different methods of oyster mushroom production	2	1	10	8	12	18	12	30
Mushroom unit management	Importance of crop uses in mushroom cultivation	1	1	7	10	-	10	7	17
	Time & economic importance of mushroom	1	1	14	3	8	15	10	25
	Total	89		566	579	938	1302	781	2083

RURAL YOUTH

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
HORTICULTURE									
Plant propagation technique	Plant propagation technique in fruit plants	1	30	5	5	15	16	9	25
LIVESTOCK PRODUCTION & MANAGEMENT									
Diary management	Management of Dairy farming	1	5	5	5	10	20	-	20
Goat management	Care and management of goat farming	1	5	5	5	10	20	-	20
HOME SCIENCE									
Value addition	Different designs of bag making	1	5	7	7	6	-	20	20
Value addition	Preparation of pickle, jam squash with surplus mangoes	1	5	7	7	6	-	20	20
Income generation	Preparing of white phynle, washing soap, bathing soap, detergent powder, candle, agarbati making	1	5	10	10	10	15	15	30
Income generation	Preparation of detergent powder, bathing soap, washing soap, white phynle & candle making	1	5	10	10	10	15	15	30
Value addition	Preparation of pickles and jelly, jam with available fruits and vegetables	1	5	6	7	7	-	20	20
Income Generation	Dress making	1	20	7	7	6	-	20	20
Income generation	Dress designing	1	90	7	7	6	-	20	20
MUSHROOM									
Mushroom cultivation	Oyster mushroom cultivation by hot water method & chemical method	1	6	5	5	10	20	-	20
	Button mushroom cultivation by long method	1	30	4	5	11	17	3	20
	Milky mushroom cultivation	1	6	5	5	10	20	-	20
	Oyster mushroom cultivation	1	3	4	5	11	17	3	20
Total		14		87	90	128	160	145	305

Extension Functionaries

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
CROP PRODUCTION									
Use of farm implements	Importance of plastic drum seeder field preparation, sowing technique by plastic drum seeder for paddy cultivation	1	1	4	4	22	26	4	30
Integrated crop management	Nursery bed preparation for raising seedlings of transplanted paddy in SRI technique of paddy cultivation	1	2	2	3	15	20	-	20
	Seed bed preparation and line transplanting of paddy seedlings at proper spacing in SRI technique of paddy cultivation	1	1	4	5	11	17	3	20
Integrated farm implement	Seed treatment and sowing technique in SRI in wheat	1	1	17	3	5	18	7	25
HORTICULTURE									
Export potential fruits	Remedial measures to overcome alternate / biennial bearing problems in mango	1	1	5	5	15	16	9	25
Exotic crops	Vermicompost preparation and its application for production of exotic vegetables	1	1	6	6	18	20	10	30
SOIL SCIENCE									
Soil testing	Importance of soil health card and how to collect grid based soil samples for soil testing	1	1	7	8	15	20	10	30
INM	Integrated nutrients management in vegetables crops	1	1	-	10	20	15	15	30
Production and use of organic inputs	Organic farming techniques and importance	1	1	-	10	20	30	-	30
Nutrients management	Effect of poultry manure on productivity of potato	1	1	10	10	10	15	15	30

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
PLANT PROTECTION									
Popularize of bio agent	Use of bio agent for pest management	1	1	5	5	10	20	-	20
Storage pest & management	Use of traditional and Chemical method for storage pest management	1	1	5	5	15	20	5	25
IPM	Use of IPM tools for pest management	1	1	5	5	10	20	-	20
LIVESTOCK PRODUCTION & MANAGEMENT									
Poultry management	Backyard poultry strains, care and management under free range system	1	1	5	5	10	20	-	20
	Total	14		75	84	196	277	78	355

(d) Sponsored (ON)

Thematic area	Title	No. of Course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
LIVESTOCK PRODUCTION & MANAGEMENT									
Piggery Management	Scientific management of pig	1	5	10	5	5	20	-	20
	Total	1	5	10	5	5	20	-	20

(e) Vocational

Thematic area	Title	No. of course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
HORTICULTURE									
Plant propagation technique	Gardeners' Training	1	60	5	5	15	16	9	25
LIVESTOCK PRODUCTION AND MANAGEMENT									
Dairy management	Care and Management of dairy farming	1	5	10	5	5	20	-	20
HOME SCIENCE									
Income generation	Dress designing	1	90	10	10	5	-	25	25
		3		25	20	25	36	34	70

(f) Skilled training

Thematic area	Title	No. of course	Duration / Days per course	No. of participants					
				SC	ST	O	M	W	Total
LIVESTOCK PRODUCTION & MANAGEMENT									
Piggery management	Scientific management of pig farming	1	5	10	10	5	17	8	25
Broiler farming	Scientific management of broilers farming	1	5	5	5	10	14	6	20
Goat management	Scientific management of goat farming	1	5	5	5	10	14	6	20
HOME SCIENCE									
Income generation	Different type of cloth bag clothing	1	7	7	8	10	-	25	25
Value addition	Pickle, jelly, jam preparation with surplus fruits and vegetables	1	7	5	5	5	-	15	15
Income generation	Preparation of white phenyl, washing soap, washing powder and candles	1	5	10	10	10	15	15	30
Total		6		42	43	50	60	75	135

4. Frontline Demonstration

Season	Crop	Variety/Technology	No. of demonstration	No. of area (ha)
Oilseed				
Kharif 18	Groundnut	BAU - 18	5	1.0
Pulse				
Kharif 2018	Redgram	Maruti (ICPL 8863)	12	2.0
Rabi 18-19	Lentil	DPL 62/IPL 81	5	1.0
Cereals				
Kharif 18	Midland Paddy	IR 64 (DRT -1)	12	2.0
Kharif 2018	Paddy (Plastic drum seeder)	Sahbhagi	10	2.0
Kharif 18	Paddy(Integrated nutrient management in paddy)	Navin	20	1.0
Kharif 18	Paddy (Use of Trichogramma)	Abhishek	15	5.0
Rabi 2018 - 19	Wheat(Soil test based nutrients management)	K 307	20	1.0
Vegetables				
Kharif 20 18	Kharif Onion	Agri found Dark Red	25	1.0
Rabi 2018-19	Garden pea	Pusa Pragati/Arkel (Seed treatment)	25	1.0

Rabi 2018-19	Broccoli	Green star (F ₁)Seed treatment	25	1.0
Kharif 2018	Cabbage (Use of Pheromone trap & lure)	Hybrid	15	5.0
Rabi 2018-19	Potato	Kufery Kanchan (Poultry manure in productivity)	30	0.5
Fodder				
Rabi 18-19	Berseem	Mascavi	10	1.0 ha
Compost				
Round the year	Decomposer for rapid Production of compost		30	

Nutritional Garden				
Season	Crop	Variety	No. of farmers	Area
Kharif 18	Okra, Cowpea, Chilli, Coriander, Radish	Rashmi 1001 F ₁ Gomti, Nikhar, Nav Kiran, Pant Haritima	20	200 m ²
Rabi 18-19	Cabbage, Palak, Muli, Tomato, Brinjal Moringa	Vasudha, Suriya, Shakuntala F ₁ , Bhagya, Swarn Pratibha		

Livestock

Season	Enterprise	Breed	No. of demonstration	No. of animals / birds
Round the year	Management of piglets during pree weaning period with iron injection	T & D	20	200
Round the year	Control of PPR in goat		150	400
Round the year	Up gradation of local selective goat by beetal buck	Beetal	2	2
Round the year	Controll of FMD in Cattle		20	200

5. Seed and planting materials production

Seed				Planting material	
Type of seed	Crop	Variety	Area(ha)	Crop	Nos
Foundation	Paddy	IR 64 (DRT 1)	2.0	Mango	3000
Foundation	Paddy	Sahabhagi	2.0	Guava	750
Foundation	Paddy	Abhishek	1.0	Litchi	1000
Foundation	Paddy	Navin	1.0	Avocado	300
Foundation	Paddy	Lalat	1.0	Papaya	4000
Foundation	Niger	Birsa Niger – 1	0.5	Tomato	5000
Foundation	Greengram	Pusa Vishal	0.5	Brinjal	2500
Foundation	Wheat	HUW 468/CBW 38 / DBW 39	3.0	Chilli	2000
Foundation	Gram	JAKI 92- 18	2.0	Capsicum	1000
Foundation	Mustard	NRCHB 101	2.0	Cauliflower	3000
Foundation	Blackgram	Uttra	5.0	Cabbage	3000

				Broccoli	1000
				Cucurbits	2500
				Garden pea	10 kg
				French bean	10 kg
				Elephant foot yam	500 kg
				Vermicompost	100 quintals
				Earthworms	300000 nos
				Azola	50 kg
				BGA	20 kg

Livestock Production:

1. Production of Improved goat : 20 nos
2. Backyard poultry production : 3000 nos

6. Extension Activities

Activities	No.	Participants
Field Day	10	250
Kisan Gosthi	5	210
Diagnostic service		
i. Scientist visit to farmers field	85	910
ii. Farmers visit to KVK farm	31	650
Method Demonstration	2	150
Farmers seminar	1	80
Advisory service	415	1050
Farmers Group meeting	10	515
Lectures delivered as resource persons	8	200
Animal health camp	10	350
Vaccination camp	10	500
Kharif crop workshop	1	60
Rabi crop workshop	1	50
Ex-trainees Sammelan	1	90
Soil health Camp	9	380
Soil test campaigns	18	340
Radio talk	10	
T.V	8	
Exposure visit	5	300
Farmers interaction programme	7	143
Kisan mela	1	215
Women in Agril. Day	1	420
World food day	1	150
Technology week	1	700
International women's day	1	180
Soil health day	1	450

Total	653	8343
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7. On farm trials to be conducted

S.No.	Thematic area	Title	Treatments		No. of trials
1	Control weed flora	To assess the different herbicides to control weed flora in lentil	Farmers Practice (FP)	No hand weeding and no use of herbicide	5
			Technical Option - 1	Pendimethalin @ 1.0 kg a.I / ha as pre emergence	
			Technical Option – II	Imezathypar 25 g a.I/ ha at 20 DAS	
			Technical Option – III	Quizalofop ethyl 5% EC	
2	Weed Management	Effect of weed management practice on chickpea	Farmers Practice (FP)	One hand weeding	6
			Technical Option - 1	One Hand weeding 25 DAS + Pendimethalin @ 1.0 kg / ha pre emergence	
			Technical Option – II	One hand weeding 25 DAS + Pendimethalin @ 1.0 kg / ha at 45 DAS	
3	Fertilizer management	Effect of Zinc on growth and yield of rice variety IR 64 (DRT-1)	Farmers Practice (FP)	Control	6
			Technical Option - 1	Zinc @ 10 kg / ha	
			Technical Option – II	Zinc @ 15 kg / ha	
4	Crop Geometry	To assess the growth & yield of brocolli as affected by different spacings	Farmers Practice (FP)	Transplanting of seedlings at spacing 30 cm x 30 cm	20
			Technical Option - 1	Transplanting of seedlings at spacings 30 cm x 60 cm	
			Technical Option – II	Transplanting of seedlings at spacing 45 cm x 60 cm	
5	Flower drop	To assess the dose of plant growth regulator (PGR) for controlling flower drop in tomato (F ₁)	Farmers Practice (FP)	Spraying of fungicide (Carbendazim 50 wp)	20
			Technical Option - 1	Spraying of Gibbaellic acid 10 ppm	
			Technical Option – II	Spraying of Gibbaellic acid 20 ppm	
6	Intercropping	To assess different intercrops with cauliflower for high profitability	Farmers Practice (FP)	Cauliflower as sole crop	20
			Technical Option - 1	Cauliflower & Frenchbean in alternate rows	
			Technical Option – II	Cauliflower & beetroot in alternate rows	
7	Feed & health management	Effect of Feeding raw Neem leaves on the deworming effects of goats.	Farmers Practice (FP)	Indiscriminate feeding of fodder leaves	10
			Technical Option - 1	Feeding of Neem leaves (50 gms) twice in goats	

			Technical Option – II	Feeding of 150 mg Albendazole in Goats	
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S.No.	Thematic area	Title	Treatments		No. of trials
8	Animal health Management	Assessment of efficacy of Deltamethrin, Amitraz and Ivermectin in treatment of Ecto-parasitic infestation in crossbred cattle.	Farmers Practice (FP)	No use of Deltamethrin, Amitraz and Ivermectin	3
			Technical Option - 1	External application of Amitraz (12.5% w/v) @3ml/litre water at monthly interval	
			Technical Option – II	Ivermectin (3.1% W/V) S/C injection @50mg once in three months	
9	Backyard Poultry Production	Evaluation of Improved variety Dual purpose Backyard Poultry birds among Rural women”.	Farmers Practice (FP)	Local Breeds	10
			Technical Option - 1	Jharsim birds of 2 weeks old	
			Technical Option – II	Vanaraja Birds of 2 weeks old	
10	Nutrient Management	Assessment of potassium and boron on growth and yield of carrot	Farmers Practice (FP)	80 kg Nitrogen , 50 kg Phosphorous (P ₂ O ₅) per ha	32
			Technical Option - 1	Farmers practice + 60 kg K ₂ O + 10 kg boron per ha	
			Technical Option – II	80 kg Nitrogen, 50 kg P ₂ O ₅ , 70 kg K ₂ O + 15 kg boron per ha.	
11	Production & use of organic inputs	Assessment of organic manure on growth yield and quality of groundnut	Farmers Practice (FP)	25 kg nitrogen, 43 kg phosphorus	25
			Technical Option - 1	10 tonn farm yard manure	
			Technical Option – II	5 tons slightly decompose poultry manure	
			Technical Option – III	Recommended dose of fertilizer (25:60:25)	
12	Micronutrients deficiency	Assessment of sodium molybdate doses for growth yield and quality of pigeon pea	Farmers Practice (FP)	30 kg nitrogen, 40 kg P ₂ O ₅ and 20 kg potash	20
			Technical Option - 1	Farmers practice + 1 kg sodium molybdate	
			Technical Option – II	Farmers practice + 1.5 kg Sodium molybdate	
13	IPM	To assess the efficacy of bio pesticide against Diamond back moth of Cabbage	Farmers practice	Use of Profenophos 50% EC @ 500 ml/ha 3-4 spray at 10 days interval	15
			Technical Option - I	Delfin/Halt (<i>Bacillus thuringiensis</i> var. kurstaki) 0.75% @ 3.75lit./ha 3-4 spray at 10 days interval	
			Technical Option – II	<i>Beauveria bassiana</i> @ 3.75lit./ha 3-4 spray at 10 days interval	

S.No.	Thematic area	Title	Treatments		No. of trials
14	IPM	To assess the efficacy of bio pesticide for management of Fusarium wilt of tomato caused by <i>fusarium oxysporum f.sp.lycopersici(sacc)</i>	Farmers practice	Use of Copper oxychloride 50% wp @ 500 ml/ha 2-3 soil drenching at 25 days interval	15
			Technical Option - I	Seed treatment with <i>Trichoderma harzianum</i> @4gm/kg of seed	
			Technical Option – II	Soil treatment with FYM enriched <i>Trichoderma harzianum</i> @ 1kg per 50 kg of FYM + Seed treatment with <i>Trichoderma harzianum</i> @4gm/kg of seed	
			Technical Option – III	T1 + T2 + soil drenching with <i>Trichoderma harzianum</i> @10 gm per litre of water	
15	Value Addition	Value addition of tomato when available in plenty to increase the income of farm women	Farmers practice	Drying tomato in the sun	9
			Technical Option - I	Dry the tomato and make powder	
			Technical Option – II	Using acitic acid, metabi sulphit and sodium benjoit	
16	Designing and development for high nutrient efficiency diet	Balance supplement for increase of hemoglobin formation and body wt. of women	Farmers practice	Inadequate dietary pattern low intake of iron, vitamin c etc	9
			Technical Option - I	Supplementary food supplementation of iron acquired food (sprouted bengal gram daily in two divided dose for 3 months)	
			Technical Option – II	Supplementary food - supplementation of iron acquired foods (Sprouted bengal gram 50 gm daily in two divided dose + 25 gm jaggery for 3 months)	

8. List of projects to be completed

Name of the Project	Fund expected (Rs.) (lakhs)
UPGRADATION OF MUSHROOM SPAWN PRODUCTION LABORATORY & MUSHROOM PRODUCTION UNIT	30, 51,400.00

9. No. of success stories to be developed

Dairy farming	:	1 no.
Goat farming	:	1 no.
Piggery	:	1 no.
Broiler farming	:	1 no.
Vegetable farming	:	2 nos.
Dress designing	:	2 nos.
Nutrient management	:	2 nos
Seed Production	:	1 no.

10. Scientific Advisory Committee

Date of SAC meeting held during 2017 – 18	Proposed date 2018
18.11.2017	20.11.2018

11. Soil and water testing

	No. of samples to be analyzed
Soil sample	1000 nos.
Plant	-
Manure	-

12. Staff position

Sanctioned	In position	If vacant, since when
Sineor Scientist and Head	Dr. R. K. Singh	-
SMS	Dr. Prashant Verma	
SMS	Sr. Alma	-
SMS	Mr. Manoj Kumar Singh	-
SMS	Mr. Praveen Kumar	-
SMS	Dr. Sanjeev Kumar Singh	-
SMS	Dr. Satendra Lal Yadav	
Programme Asst.	Mr. Dineshwar Rai	-
Programme Assistant (Computer)	Sr. Phulmanti Nagesia	-
Farm Manager/ Office Clerk *1	Mrs. Muktilata Ekka	-
Office Suptd-cum-Accountant.	Sr. Asha Tigga	-
Jr. Stenographer	Mrs. Adelaide P. Xalxo	-
Driver/ Office Clerk *2	Mr. Anuj Kumar	-
Driver	Mr. Micheal Sandil	-
Skilled Supporting Staff	Mr. Francis Tudu	-
Skilled Supporting Staff	Mr. Prakash Bara	-

***1 and 2 As old KVK with existing staff as per old staff pattern**