DETAILS OF ACTION PLAN OF KVKs DURING 2016-17

(1st April 2016 to 31st March 2017)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephon	е	E mail	Website
Krishi Vigyan Kendra, Junagadh Agricultural	Office	FAX	kvkpipalia@jau.in	www.jau.in
University, TCD farm, Pipalia-360410 Ta:	02824-292584	-		-
Dhoraji, Dist: Rajkot (Gujarat)				

1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Junagadh Agricultural University, Junagadh	0285-2672653	aaaaaaaaaaaa	<u>dee@jau.in</u>	www.jau.in

1.2.b. Status of KVK website: No

1.2.c. No. of Visitors (Hits) to your KVK website (as on today): ---Nil---

1.2.d Status of ICT lab at your KVK: --Nil---

1.3. Name of the Programme Coordinator with phone & mobile no.

Name Telephone / Contact			Contact
Dr.N.D. Joday	Office	Mobile	Email
Dr.N.B.Jadav	02824-292584	9924012649	Dr_nbjadav@jau.in

1.4. Year of sanction: March, 2012

1.5. Staff Position (as on 30 Sept. 2015)

SI. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. N. B. Jadav	SS	Ext.Edn.	15600 39100		30320	18.08.06	Temp.	OBC			
2	Scientist	Ms. M K Bariya	SMS(HS)	HS	15600 39100		28220	24.08.06	Temp.	Other			
3	Scientist	S V Undhad	SMS (PI. Pro.)	Pl.Prot.	15600 39100		21600	27.03.15	Temp.	Other			
4	Scientist	Dr. V. S. Prajapati	SMS(LPM)	ЧΥ	15600 39100		21600	01.04.15	Temp.	ОВС			

5											
3	Scientist	Vacant	SMS(Ext.)	Ext.Edn.	1	1	ı	ı			
6	Scientist	Vacant	SMS (Agro.)	Agronomy	1	1	ı	ı	ı		
7	Scientist	Vacant	SMS (Agri. Engg.)	Agri. Eng.	1		ı	•	ı		
8	Farm Manager	N M Pithiya	Farm Manager	B.Sc.(Agri)	9300-34800	15500 FIX	01.04.15	Temp.	OBC		
9	Prog. Asst.	F P Kargatiya	Prog. Asstt.	M.Sc.(Agri)	9300-34800	15500 FIX	07.04.15	Temp.	OBC		
10	Computer Programme r	R.G.Panseri ya	Prog. Asstt.	Com. Operater	9300-34800	16150	31.12.13)1-01-13 Pool at IT)	Other		
11	/ Superintend	K G Dhaduk	Accountant / Superintendent	Accounting & Admins.	9300-34800	16150	12.06.13	Temp.	Other		
12	Stenograph er	K.R. Yadav	Jr. Steno.	Steno.Grade III	5200-20200	10210	01.12.14	Temp.	OBC		
13	Driver(Jeep)	Vacant	Driver(Jeep)	1	1	ı	ı	1	1		
14	Driver(Tract or)	Vacant	Driver(Tract or)	1	1	1	ı	ı	1		
15	Supporting staff	Vacant	Peon	1	1	1	ı		I		
16	Supporting staff	Vacant	Peon	ı	ı	ı	ı		1		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	-
2.	Under Demonstration Units	-
3.	Under Crops	16.00
4.	Horticulture	-
5.	Pond	-
6.	Others if any	4.00
	Total	20.00

1.7. Infrastructural Development:

A) Buildings

		Source of	Stage						
S. No.		funding		Complete		Incomplete			
	Name of building		Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	ICAR- ATARI				2016	550	On going	
2.	Farmers Hostel								
3.	Staff Quarters (6)								
4.	Demonstration Units (2)								
5	Fencing					•			
6	Rain Water harvesting system								
7	Threshing floor								
8	Farm godown								
	Other								

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero)	2013	661107	15170	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Mahindra Tractor	2013	565000	Working
Cultivator (9 tine)	2013	19000	Working
Blade Harrow	2013	11500	Working

1.8. A). Details of SAC meetings to be conducted in the year

SI.No.	Date	
1. Scientific Advisory Committee		

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Groundnut-Wheat / Coriander, Cumin, Garlic, Cotton-Summer Groundnut /Pulse crop/Sesame
2	Live stock
3	Farm waste management specially cotton stalk
4	Fruit and vegetable preservation
5	Value addition in Groundnut and wheat

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

a) Soil type

SI. No.	Agro-climatic Zone	Characteristics
1	Zone – VI (North Saurashtra)	The influence area of North Saurashtra Agroclimatic Zone is spread among five districts (35.2 lakh Ha). Out of total area 73.40 per cent area falls under arid and semi-arid region. The soils of this zone are shallow to moderately deep. The soils of Rajkot districtis medium blackand low in their availability of nitrogen while medium phosphorus and high in available postash. Monsoon commences usually by the end of June and withdraws by middle of September. Average annual rainfall of districts is 1141.2 mm.
2	Zone-VII (South Saurashtra)	The influence area of South Saurashtra Agroclimatic Zone is spread among four districts. (Part of Rajkot, Bhavnagar, Amreli and whole district of Junagadh). Type of soil is shallow medium black calcareous soils. Soil are medium to high in nitrogen content, phosphorus low and potash high. Average annual rainfall of the zone is 625-750 mm.

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Situation No. 2	Medium Black Soil with 500-600 mm Rainfall (Gondal, Jamkandorna)
2	Situation No.4	Shallow Black Soil with 500-600 mm Rainfall (Lodhika, Kotada sangani)
3	-	Shallow medium black soil with 620-750 mm Rainfall (Jetpur, Dhoraji, Upleta,)

2.3 Soil Types

	JO.: 1 JPCC		
S. No Soil type		Characteristics	Area in ha
1	Clay to clay loam	Medium black calcareous soil	
2	Sandy clay loam to clayey	Well drained soil with rapid permeability	
3	Sandy to sandy 10 cm calcareous	Well drained soils	

2.4. Area, Production and Productivity of major crops cultivated in the district (2014-15)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	
1	Groundnut	155900	292312	188	
2	Sesamum	290	254	88	
3	Castor	7804	29265	375	
4	Cotton	156924	333464	213	
5	Wheat	5565	24347	438	
6	Greengram	735	1470	200	
7	Coriander	2112	3168	150	
8	Cumin	2051	1539	75	
9	Garlic	792	3564	450	
10	Chickpea	574	1292	225	

Source: District agriculture department.

2.5. Weather data (2015-16)

Meteorological week	Rainfall (mm)	Tempe	rature 0 C	Relative H	umidity (%)
	Kaiiliali (IIIIII)	Maximum	Minimum	Maximum	Minimum
25	77				
26	52				
27	-				
28	-				
29	-				
30	181				
31	43				
32	-				
33	45				
34	-				
35	-				
36	-				
37	17				
38	158.5				
39	41				
40	-				
41	28				
Total	642.5				

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Buffalo			
Sheep			
Goats			
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens			
Desi			
Category		Production (Q.)	Productivity
Fish (Reservoir)			

^{*}Statical report

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas			
Dhoraji	Dhoraji	Bhola, Parabadi, Fareni Vadodar	Groundnut, Cotton, Sesamum Wheat, Cumin, Chickpea, Garlic and onion. Enterprise are	-sucking pest in all crops	IPM, IDM and INM in major crops Motivate the farmers to			
Jetpur	Jetpur	Thana galol, Arab timbadi, Sardharpur, Sankali		and onion. Enterprise are	and onion. Enterprise are	and onion. Enterprise are	–Stem rot disease in groundnut	horticulture crop To create awareness for value addition
Jamkadora na	Jamkadorana	Taravada, Hariyasan, Raidi, Boria					Sesamum wiltLess area under	Populirization of MIS Create awareness of
Upleta	Upleta	Mekha timbi, Ishara, Dhank, Varjag Zalia	vermi composting	horticultural crops -Infertility in livestock	artificial insemination			

2.8 Priority thrust areas

SI. No	Crop/ Enterprise	Thrust area				
1.	Groundnut, Sesamum etc	Increasing the productivity of major crops by adopting recommended technologies and to create awareness of value addition				
2.	Cotton	Motivating cotton growers to adopt IPM and INM practices for reducing the cost of production				
3.	Farm waste	Recycling of farm waste through composting, vermicompost, green manuring, etc.				
4.	Micro irrigation	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques				
5.	Farm Women	Farm women empowerment by training in value addition, handi crafts, and small scale enterprises				
6.	Horticulture	Post harvest technology in fruit and vegetable, INM in orchard				
7.	Animal Husbandry	Increasing the productivity of livestock animals by adopting scientific practices and to create awarness about clean milk production				

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

C)FT	FLD		
	(1)	(2)		
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers	
5	5	5	42	

Traiı	ning	Extension Activities			
(3)		(4)			
Number of Courses	Number of Participants	Number of activities	Number of participants		
76	1900	875	8000		

Seed Production (Qtl.)	Planting material	Fish seed prod. (Nos)	Soil Samples
	(Nos.)		
(5)	(6)	(7)	(8)
ааааааааааааааааа			

3. B. Abstract of interventions to be undertaken

		Interventions							
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Value Addition	Fruits and vegetables	Low market rate	Effect of salt & oil on spoilage of mango pickles		Preparation of Jam, Tomato Catch-up and different types of Pickles		Demonstrat ion	
2	Improve the health status of anemic adolescence girls	Girls	Anemia in adolescence girls	Prevention of Anemia among Rural adolescence girls		Improve health of anemic adolescent rural girls.		Medical camp	Folic acid tablets and iron rich food
3	Integrated Pest Management	Groundnut	White grub infestation	Management of white grub in groundnut		Integrated pest managemnet in groundnut		Demonstrat ion	Chlorpyrip hos and carbaryl
4	Integrated nutrient management	Wheat	Lack of knowledge about INM and Biofertilizer in wheat	Effect of biofertilizer on wheat		Integrated nutrient management in wheat		Demonstrat ion	Biofertilize rs- azotobact er & PSB
5	Improved variety of cumin	cumin	Wilt incidence in cumin		FLD on cumin	Integrated disease management in cumin		Demonstrat ion	Seed of cumin Vareity GC-4
6	Improved variety of wheat	wheat	Low yield of wheat		FLD on wheat	Integrated nutrient management in wheat		Demonstrat ion	Seed of Wheat Vareity GW-366
7	Improved of variety of chick pea	Chick pea	Low yield of chick pea		FLD on Chick pea	Integrated pest management in Chick Pea		Demonstrat ion	Seed of Chick Pea Vareity GG-5
8	Integrated pest management	Cotton	Pink Bollworm Infestation			Integrated management of pinkboll worm in cotton		Field day	Supply of literature on pink boll worm managem ent
9	Formation and functioning of SHGs	SHGs	Lack of independenc e in rural youth			Formation and functioning of SHGs			
10	Entrepreneur ship development	Small scale processing	Low income of rural youth			Entrepreneurshi p development			
11	Farm women empowerme nt	Small scale enterprise	Unaware about value addition, processing, handicrafts, etc.			Value addition of food grains Preparation of different valueable milk products rural art and craft		Demonstrat ion	

12	Micro irrigation	Fruit crops	Lack of water		 Importance of drip irrigation in horticultural crops			
13	Nutrition management in cattle	Buffalo	Lack of knowledge of nutrition management in cattle	and mineral mixture on milk	 Importance of concentrate and mineral mixture in milk production		Demonstrat ion	Concentra te mixture, mineral mixture

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseed s	Pulses	Commercia I Crops	Vegetables	Fruits	Flower	Plantatio n crops	Tuber Crop s	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	-	-	-	-	-	-	-	-	1
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	1	-	-	-	1
Integrated Pest Management	-	1	-	-	-	-	-	-	-	1
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	1	1	-	-	-	1	-	-	-	3

A.2. Abstract on the number of technologies to be refined in respect of crops

		Oilseed		Commoroio				Kitchen	Tuber	
Thematic areas	Cereals	S	Pulses	Commercia I Crops	Vegetables	Fruits	Flower	garden	Crop	TOTAL
		•		. 0.000				9	S	
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient										
Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease										

Management					
Resource conservation					
technology					
Small Scale income					
generating enterprises					
TOTAL					

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	1	-	-	-	-	-	-	1
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	1	-	-	-	-	-	-	1

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income								
generating enterprises								
TOTAL								

B. Details of On Farm Trial

On Farm Trials: 1

1.Title: Management of white grub in groundnut

2. Details of technologies selected:

Technology assessed :Integrated Pest Management

3.Treatments:

Farmer's practice: Chloropyriphos @ 4 lit./ha at the time of attack

Recommended practice: 1.Seed treatment with Chloropyriphos @ 25 ml/kg

2. Application of Chloropyriphos @ 4 lit./ha

3. Spraying the trees on bund with carbaryl@ 40g/15 lit water

Intervention: 1.Application of carbofuran 3G@ 40kg/ha at time of sowing

2. Spraying the trees on bund with carbaryl@ 40g/15 lit water

4. Observations:

Yield

Economics (B:C ratio)

OFT: 2 (Animal husbandry) New

Title: Effect of supplementation of concentrate and mineral mixture on milk production of local buffalo breed.

Livestock production in all its ventures is a source of income and for all livestock owners' livestock feeding and nutrition is a major concern. Inadequate nutrition is a major cause of low live-weight gains, infertility and low milk yields in dairy cattle. The

aim of the OFT is about the awareness of dairy farmers to know the nutritional management of milch animals to increase milk yield. Therefore, the above entitle OFT has been proposed.

Treatment:

Treatment 1 : Routine Farmer Practice

Treatment 2 : Feeding of concentrate mixture (5kg/animal/day)

Treatment 3 : Feeding of concentrate mixture (5kg/animal/day) +

Mineral mixture (50 gm/animal/day)

Experimental Animals : 18 (6 Animals/treatment)

Observations to be recorded: Milk yield (Lit/day)

OFT: 3 Home science (New)

1) Title of technology assessed/Refined: Prevention of Anemia among rural adolescent girls.

- 2) Problem definition:
 - Low iron content in diet.
 - ✓ Lack of knowledge about nutritional foods.
 - ✓ Use of traditional diet.
- B) Details of technologies selected for assessment/refinement:

Category	Source of technology	Technology details
Technology Option1	-	First group for control
Technology Option2	-	Recommended practice-iron tablet per day with existing dietary pattern
Technology Option3	-	Iron tablet per day + 50 gm roasted soybean + 100 gm rice flakes per day with existing dietary pattern

- 4) Thematic area: Women care
- 5) Performance of the technology with performance indicators :
- 6) Final recommendation from micro level situation:
- 7) Constrains identified and feedback for research:
- 8) Process of adolescent girls participation and their reaction

OFT: 4 Home science

Title: Effect of salt & oil on spoilage of mango pickles (New)

Problem Definition: Spoilage in mango pickle

Technology Assessed: Prevention of spoilage in mango pickles

Objective:

To prevent spoilage in mango pickle To increase self-life of mango pickle

Cost saving

Treatments:

Common ingredients use for all the treatments:- Mango 1 kg, turmeric powder 5 gm, jaggary/sugar 600 gm, fenugreek 50 gm, mustard 30 gm, asafetida (hing) 5 gm, coriander 30 gm, funnel 30 gm, red chili powder 30 gm.

T1 :(Farmers' practices)	Salt 12% (120 gm) + Oil 800ml/ kg mango
T2 :(Recommended Practice)	Salt 15% (150 gm) + Oil 250ml/ kg mango
T3: (Refinement)	Salt 20% (200 gm) + Oil 200ml/ kg mango

No. of Replication: - 3 (Farm women)

Observations: - Self life (days), Colour, Texture, Cost

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

SI. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer s/ demon	Parameters identified
1	Groundnut	IPM	IPM						
2	Groundnut*	IDM	Trichoderma						
3	Sesame	IPM	IPM						
4	Chickpea	Varietal	GG-3						
5	Wheat	Varietal	GW-366						
6	Cumin	Varietal	GC-4						
7	Cotton	INM	INM						
8	Vegetable Crops	Household food security by kitchen gardening and nutrition gardening	Kitchen Gardening						
					Total				

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
-	-	-

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	7	-	300
2	Farmers Training	10	-	400
3	Media coverage	3	-	-
4	Training for extension functionaries	2	-	50

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Performance parameters / indicators
Cattle	Feed Management	Anabolit liquid		
Cattle	Feed Management	mineral mixture		

${\bf 3.3}\;\;$ Training (Including the sponsored and FLD training programmes):

A) ON Campus

				No.	of Pa				
Thematic Area	No. of		Others		SC/ST			Grand	
	Courses	Male	Female	Total	Male	Female	Total	Total	
(A) Farmers & Farm Women				-					
I Crop Production		· · ·	r		,	,	,		
Weed Management				ļ					
Resource Conservation Technologies									
Cropping Systems									
Crop Diversification									
Integrated Farming				<u>.</u>					
Water management									
Seed production				<u> </u>					
Nursery management									
Integrated Crop Management									
Fodder production				<u> </u>					
Production of organic inputs									
II Horticulture	,				•				
a) Vegetable Crops									
Production of low volume and high value crops				Į					
Off-season vegetables				<u> </u>					
Nursery raising				<u> </u>					
Exotic vegetables like Broccoli				<u> </u>					
Export potential vegetables				Į					
Grading and standardization									
Protective cultivation (Green Houses, Shade Net etc.)									
b) Fruits									
Training and Pruning									
Layout and Management of Orchards									
Cultivation of Fruit									
Management of young plants/orchards									
Rejuvenation of old orchards									
Export potential fruits									
Micro irrigation systems of orchards									
Plant propagation techniques									
c) Ornamental Plants									
Nursery Management									
Management of potted plants									
Export potential of ornamental plants									
Propagation techniques of Ornamental Plants									
d) Plantation crops									
Production and Management technology									
Processing and value addition									
e) Tuber crops									
Production and Management technology									
Processing and value addition									
f) Spices									
Production and Management technology									
Processing and value addition									
g) Medicinal and Aromatic Plants									
Nursery management				<u> </u>					
Production and management technology									
Post harvest technology and value addition				<u> </u>					
III Soil Health and Fertility Management				<u> </u>					
Soil fertility management				ļ					
Soil and Water Conservation	-			<u> </u>					
Integrated Nutrient Management									
Production and use of organic inputs									
Management of Problematic soils							,,,,,,		
Micro nutrient deficiency in crops									
Nutrient Use Efficiency				Ĭ	Ĭ				
Soil and Water Testing									
IV Livestock Production and Management									
Dairy Management				I					
	•	*	*	•	•	•	•		

D. H. M.			 :	1		:	 T
Poultry Management							
Piggery Management							
Rabbit Management/goat							
Disease Management							
Feed management							
Production of quality animal products							<u> </u>
V Home Science/Women empowerment			 ·			·····	 T
Household food security by kitchen gardening and nutrition ga	irdening						•
Design and development of low/minimum cost diet							
Designing and development for high nutrient efficiency	/ diet						
Minimization of nutrient loss in processing							
Gender mainstreaming through SHGs							
Storage loss minimization techniques							
Value addition							
Income generation activities for empowerment of rural							
Women							•
Location specific drudgery reduction technologies							
Rural Crafts							
Women and child care				ļ			
VI Agril. Engineering							
Installation and maintenance of micro irrigation system	ns						
Use of Plastics in farming practices							ļ
Production of small tools and implements							*
Repair and maintenance of farm machinery and imple	ments						
Small scale processing and value addition							
Post Harvest Technology							
VII Plant Protection							
Integrated Pest Management							
Integrated Disease Management							
Bio-control of pests and diseases							
Production of bio control agents and bio pesticides							
VIII Fisheries							
Integrated fish farming							
Carp breeding and hatchery management							
Carp fry and fingerling rearing							
Composite fish culture							
Hatchery management and culture of freshwater praw	n						
Breeding and culture of ornamental fishes							
Portable plastic carp hatchery							
Pen culture of fish and prawn							
Shrimp farming							
Edible oyster farming							
Pearl culture							
Fish processing and value addition							
IX Production of Inputs at site							
Seed Production							
Planting material production							
Bio-agents production							
Bio-pesticides production							
Bio-fertilizer production							
Vermi-compost production							
Organic manures production							
Production of fry and fingerlings							
Production of Bee-colonies and wax sheets							
Small tools and implements							
Production of livestock feed and fodder							
Production of Fish feed							
X Capacity Building and Group Dynamics			 				
Leadership development							
Group dynamics							
	i				-		
Formation and Management of SHGs		<u>I</u>	 			i	
Formation and Management of SHGs Mobilization of social capital Entrepreneurial development of farmers/youths							

		,	 	,	
WTO and IPR issues					
XI Agro-forestry					
Production technologies	 				
Nursery management					
Integrated Farming Systems					
XII Others (Pl. Specify)					
TOTAL					
(B) RURAL YOUTH					
Mushroom Production			 		
Bee-keeping			 		
Integrated farming					
Seed production					
Production of organic inputs			 		
Integrated Farming (Medicinal)					
Planting material production					
Vermi-culture					
Sericulture			 		
Protected cultivation of vegetable crops					
Commercial fruit production					
Repair and maintenance of farm machinery and					
implements			 		
Nursery Management of Horticulture crops					
Training and pruning of orchards					
Value addition					
Production of quality animal products					
Dairying					
Sheep and goat rearing					
Quail farming			 		
Piggery					
Rabbit farming					
Poultry production			 		
Ornamental fisheries			 		
Para vets					
Para extension workers					
Composite fish culture					
Freshwater prawn culture					
Shrimp farming			 		
Pearl culture					
Cold water fisheries			 		
Fish harvest and processing technology					
Fry and fingerling rearing					
Small scale processing					
Post Harvest Technology					
Tailoring and Stitching					
Rural Crafts					
TOTAL					
(C) Extension Personnel					
Productivity enhancement in field crops					
Integrated Pest Management					
Integrated Nutrient management					
Rejuvenation of old orchards					
Protected cultivation technology			 		
Formation and Management of SHGs					
Group Dynamics and farmers organization					
Information networking among farmers					
Capacity building for ICT application					
Care and maintenance of farm machinery and			 		
implements					
WTO and IPR issues					
Management in farm animals					
Livestock feed and fodder production					
Household food security			 		
Women and Child care					

Low cost and nutrient efficient diet designing				
Production and use of organic inputs				
Gender mainstreaming through SHGs				
Any other (Pl. Specify)				
TOTAL				
G. Total				

		No. of Participants Grar									
Thematic Area	No. of Courses		Others			SC/ST					
		Male	Female	Total	Male	Female	Total				
(A) Farmers & Farm Women											
Crop Production				,	·	·····	•				
Weed Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
ntegrated Farming											
Water management											
Seed production											
Nursery management											
ntegrated Crop Management											
Fodder production											
Production of organic inputs											
II Horticulture					<u> </u>	<u> </u>					
a) Vegetable Crops											
Production of low volume and high value crops					<u> </u>						
Off-season vegetables											
Nursery raising											
Exotic vegetables like Broccoli					•						
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade											
Net etc.)											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants					<u> </u>						
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
:											
Processing and value addition											
e) Tuber crops											
Production and Management technology					ļ						
Processing and value addition					ļ						
f) Spices					<u> </u>						
Production and Management technology											
Processing and value addition					ļ						
g) Medicinal and Aromatic Plants					ļ						
Nursery management					ļ						
Production and management technology											

		T		7				
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing				<u> </u>				
IV Livestock Production and Management				<u> </u>				
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment				<u> </u>				
				[T	
Household food security by kitchen gardening								
and nutrition gardening								
Design and development of low/minimum cost								
diet								
Designing and development for high nutrient								
efficiency diet							ļ	
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment								
of rural Women								
Location specific drudgery reduction								
technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation								
systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and								
implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio								
pesticides								
VIII Fisheries								
Integrated fish farming Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater								
prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
1	£		·····		······		<u></u>	4

IX Production of Inputs at site				
Seed Production				
Planting material production (Horti.)				
Bio-agents production				
Bio-pesticides production				
Bio-fertilizer production				
Vermi-compost production (Horti.)				
Organic manures production (A.S.)				
Production of fry and fingerlings				
Production of Bee-colonies and wax sheets				
Small tools and implements				
Production of livestock feed and fodder				
Production of Fish feed				
X Capacity Building and Group Dynamics				
Leadership development				
Group dynamics				
Formation and Management of SHGs(HS)				
Mobilization of social capital				
Entrepreneurial development of farmers/youths				
(Agro.)				
WTO and IPR issues				
XI Agro-forestry				
Production technologies				
Nursery management				
Integrated Farming Systems (Agro)				
XII Others (Pl. Specify)				
TOTAL				

C) Consolidated table (ON and OFF Campus)

				articipant	nts			
Thematic Area	No. of Courses		Others			SC/ST	•••••	Grand Total
		Male	Female	Total	Male	Female	Total	Grand Total
(A) Farmers & Farm Women						•		
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
II Horticulture						•	•	
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								

	7	r	T		
Plant propagation techniques					
c) Ornamental Plants					
Nursery Management					
Management of potted plants					
Export potential of ornamental plants					
Propagation techniques of Ornamental Plants					
d) Plantation crops					
Production and Management technology					
Processing and value addition					
e) Tuber crops					
Production and Management technology					
Processing and value addition					
f) Spices					
Production and Management technology					
Processing and value addition					
g) Medicinal and Aromatic Plants					
Nursery management					
Production and management technology					
Post harvest technology and value addition					
(B) RURAL YOUTH					
Mushroom Production					
Bee-keeping					
Integrated farming					
Seed production					
Production of organic inputs					
Planting material production					
Vermi-culture					
Sericulture					
Protected cultivation of vegetable crops					
Commercial fruit production					
Repair and maintenance of farm machinery and					
implements					
Nursery Management of Horticulture crops					
Training and pruning of orchards					
Value addition					
Production of quality animal products					
Dairying					
Sheep and goat rearing					
Quail farming					
Piggery					
Rabbit farming					
Poultry production					
Ornamental fisheries					
Para vets					
Para extension workers					
Composite fish culture					
Freshwater prawn culture					
Shrimp farming					
Pearl culture					
Cold water fisheries					
Fish harvest and processing technology					
Fry and fingerling rearing					
Small scale processing					
Post Harvest Technology		İ			
Tailoring and Stitching					
Rural Crafts					
TOTAL					
(C) Extension Personnel					
Productivity enhancement in field crops					
Integrated Pest Management					
Integrated Nutrient management					
Rejuvenation of old orchards					
Protected cultivation technology					

	T	ī	: · · · · · · · · · · · · · · · · · · ·	 	f
Formation and Management of SHGs					
Group Dynamics and farmers organization					
Information networking among farmers					
Capacity building for ICT application					
Care and maintenance of farm machinery and					
implements					
WTO and IPR issues					
Management in farm animals					
Livestock feed and fodder production					
Household food security					
Women and Child care					
Low cost and nutrient efficient diet designing					
Production and use of organic inputs					
Gender mainstreaming through SHGs					
Any other (Pl. Specify)					
TOTAL					
G. Total					
III Soil Health and Fertility Management					
Soil fertility management					
Soil and Water Conservation	 				
Integrated Nutrient Management					
Production and use of organic inputs					
Management of Problematic soils					
Micro nutrient deficiency in crops					
Nutrient Use Efficiency					
Soil and Water Testing					
IV Livestock Production and Management					
Dairy Management					
Poultry Management					
Piggery Management					
Rabbit Management/goat					
Disease Management					
Feed management					
Production of quality animal products					
V Home Science/Women empowerment					
Household food security by kitchen gardening and					
nutrition gardening					
Design and development of low/minimum cost diet					
Designing and development for high nutrient efficiency					
diet					
Minimization of nutrient loss in processing					
Gender mainstreaming through SHGs					
Storage loss minimization techniques					
Value addition					
Income generation activities for empowerment of rural					
Women					
Location specific drudgery reduction technologies					
Rural Crafts					
Women and child care					
VI Agril. Engineering					
Installation and maintenance of micro irrigation systems					
Use of Plastics in farming practices					
Production of small tools and implements					
Repair and maintenance of farm machinery and					
implements					
Small scale processing and value addition	 				
Post Harvest Technology					
VII Plant Protection					
Integrated Pest Management					
Integrated Disease Management					
Bio-control of pests and diseases					
Production of bio control agents and bio pesticides					
VIII Fisheries					

Integrated fish farming		Ī				
Carp breeding and hatchery management						
Carp fireding and naturely management Carp fry and fingerling rearing						
Composite fish culture		ļ				
Hatchery management and culture of freshwater prawn						
Breeding and culture of ornamental fishes						
Portable plastic carp hatchery						
Pen culture of fish and prawn						
Shrimp farming						
Edible oyster farming						
Pearl culture						
Fish processing and value addition						
IX Production of Inputs at site						
Seed Production						
Planting material production						
Bio-agents production						
Bio-pesticides production						
Bio-fertilizer production						
Vermi-compost production						
Organic manures production						
Production of fry and fingerlings			 			
Production of Bee-colonies and wax sheets			 			
Small tools and implements						
Production of livestock feed and fodder						
Production of Fish feed			 			
X Capacity Building and Group Dynamics			 			
Leadership development						
Group dynamics			 			
Formation and Management of SHGs						
Mobilization of social capital						
Entrepreneurial development of farmers/youths WTO and IPR issues						
XI Agro-forestry						
Production technologies						
Nursery management						
Integrated Farming Systems						
Sponsored training						
TOTAL						
(B) RURAL YOUTH						
Mushroom Production						
Bee-keeping						
Integrated farming						
Seed production						
Production of organic inputs						
Integrated Farming						
Planting material production						
Vermi-culture						
Sericulture						
Protected cultivation of vegetable crops						
Commercial fruit production						
Repair and maintenance of farm machinery and			 	 		
implements						
Nursery Management of Horticulture crops						
Training and pruning of orchards						
Value addition						
Production of quality animal products						
Dairying		İ				
Sheep and goat rearing		<u> </u>				
Quail farming						
Piggery		İ				
Rabbit farming						
Poultry production						
Ornamental fisheries		<u> </u>				
a.rionar nonono	<u> </u>	<u> </u>			<u> </u>	

Para vets				
Para extension workers				
Composite fish culture		 		
Freshwater prawn culture		 	 	
Shrimp farming		 		
Pearl culture		 		
Cold water fisheries				
Fish harvest and processing technology				
Fry and fingerling rearing				
Small scale processing				
Post Harvest Technology				
Tailoring and Stitching				
Rural Crafts		 		
TOTAL				
(C) Extension Personnel				
Productivity enhancement in field crops		 		
Integrated Pest Management	 			
Integrated Nutrient management				
Rejuvenation of old orchards				
Protected cultivation technology		 		
Formation and Management of SHGs				
Group Dynamics and farmers organization				
Information networking among farmers				
Capacity building for ICT application				
Care and maintenance of farm machinery and				
implements				
WTO and IPR issues				
Management in farm animals				
Livestock feed and fodder production				
Household food security				
Women and Child care				
Low cost and nutrient efficient diet designing				
Production and use of organic inputs				
Gender mainstreaming through SHGs				
Any other (Pl. Specify)				
Total				
G. TOTAL				

Details of training programmes attached in Annexure -I

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension	re of Extension No. of		Farmers		Extension Officials			Total		
Activity	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day										
Kisan Mela										
Kisan Ghosthi										

Exhibition					
Film Show					
Farmers Seminar					
Workshop					
Group meetings					
Lectures delivered as resource persons					
Newspaper coverage					
Radio talks					
TV talks					
Popular articles					
Extension Literature					
Advisory Services					
Scientific visit to farmers field					
Farmers visit to KVK					
Diagnostic visits					
Exposure visits					
Ex-trainees Sammelan					
Soil health Camp					
Animal Health Camp					
Agri mobile clinic					
Soil test campaigns					
Farm Science Club Conveners meet					
Self Help Group Conveners meetings					
Mahila Mandals Conveners meetings					
Celebration of important days (specify)					
Krishi Mohostva					
Krishi Rath					
Pre Kharif workshop					
Pre Rabi workshop					
PPVFRA workshop					
Any Other (Specify)					
Total					

3.5 Target for Production and supply of Technological products SEED MATERIALS

SI. No.	Crop	Variety	Quantity (qtl.)
CEREALS			

OILSEEDS	
PULSES	
VEGETABLES	
OTHERS (Specify)	

PLANTING MATERIALS

SI. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
SPICES			
VEGETABLES			
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	

Bio-products

SI. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

LIVESTOCK

SI. No.	Туре	Breed	Qua	intity
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				

POULTRY		
Pig farming		
FISHERIES		
FIGURALO		

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : Number of copies to be published :

(B) Literature developed/published

S.No.	Торіс	Number
1	Research paper each scientist	
2	Technical reports	
3	News letters	
4	Training manual all discipline	
5	Popular article	
6	Extension literature	
	Total	

(C) Details of Electronic Media to be Produced

	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

3.7.	Success stories/Case studies identified for development as a case.	
------	--	--

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a)
- b)
- c)

Rural Youth

- a)
- b)
- c)
- d)

In-service personnel

a)

- b)
- c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

For FLD:

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological- horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment

2. List of equipments purchase with amount

SI. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples				
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations

SI.No.	Name of organization	Nature of Linkage
1.		
2.		
3.		
4.		
5.		
6.		

8. 9.	7.	
	8	
	1 -	
10.	10.	

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district

Yes/No

S. No.	Programme	Nature of linkage
1		
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
3		
4		
	Total	

- 6.0 Convergence with departments :
- 7.0 Feedback of the farmers about the technologies demonstrated and assessed :
- 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration	Number of	Number of SC/ST	G.	
			in days	participants		Total	

				М	F	Т	М	F	Т	
Crop Product	ion		•					•		
	PF		Y							
	PF		<u>.</u>							
	PF								•	
	PF		•							
Horticulture										
	PF									
	PF		<u>.</u>							
	PF									
	PF									
Livestock pro	d.		<u> </u>	<u>.</u>	£	4	L	4	<u> </u>	1
	PF/FW		• • • • • • • • • • • • • • • • • • •							
	PF									
	PF/FW									
	PF/FW		<u> </u>						•	
Agril. Engg.	<u> </u>	· ·	<u> </u>	4	±		±	<u> </u>	±	
	PF		¥							
	PF									
	PF									
Home Sc.		·•		<u>.</u>			•			
	PF									
	PF									
	PF									
	PF									
		•		-			-			
Plan prot.										
i iaii prot.	PF								T	
	PF									
	PF									
Fisheries	1 1		<u> </u>				<u> </u>		<u> </u>	
1 131101103	PF								T	
	PF								ļ	
	PF		<u> </u>						ļ	
	PF								 	
	PF		<u> </u>						ļ	
Soil Health	1 1		<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>	L
	PF		.						Ī	

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration	No. c	of partic	ipants	Numl	G.		
			in days	М	F	Т	М	F	Т	Total
Crop Produ	ıction			<u></u>	<u>.</u>	<u>.</u>		<u></u>		,
	PF						İ			
	PF							•		
	PF									
	PF									
	PF					<u>.</u>				
Horticulture	9			L	<u> </u>	<u> </u>	±	.4		
	PF						İ			
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
ive Stock	Production.									
	PF									
	PF									
	PF									

PF									
PF									
PF									
PF									
PF									
PF									
PF									
PF									
PF									
Agril. Engg.									
PF									
PF									
PF									
PF									
PF									
Home Sc.									
PF									
PF									
PF									
PF									
PF									
PF									
PF									
Plant Protection		,	,	,	,	,	,	·····	,
PF									
PF									
PF									
PF									
Fisheries		T	·····					·····	
PF									
PF									
Soil health								·····	
PF									
PF									

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duratio n (days)	Par	No. o	f ants	paı	SC/S1 ticipa	Γ ints	G.Total
Enterprise	Alea			ii (uays)	М	F	Т	М	F	Т	
i											

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duratio n in days	No. of participants M F T		Number of SC/ST M F T	G. Total				
On Campus											

 ·	·	,	,	,	,	,	,	·

iv) Sponsored programme

Discipline		Sponsoring agency	Clientele Tit	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total	
				M		F	Т	M	F	Т			
a)	Sponso	ored training pro	gdramme	•						<u> </u>		***************************************	
								ļ				ļ	
				Total		<u> </u>		<u> </u>	<u> </u>			<u> </u>	
b)	Sponso	onsored research programme											
				Total									
c)	Any sp	ecial programme	es.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·								
				Total									