KVK, JAU, JAMNAGAR

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ACTION PLAN 2016-17

(April-2016 to March- 2017)

TO BE PRESENTED AT ANNUAL ACTION PLAN WORKSHOP OF KVKs OF GUJARAT

ORGANIZED BY DIRECTOR, ATARI ZONE-VI, ICAR, JODHPUR

PREPARED/COMPILED By Dr. K. P. Baraiya, Senior Scientist & Head Smt. A. K. Baraiya, Scientist



KRISHI VIGYAN KENDRA JUNAGADH AGRICULTURAL UNIVERSITY JAMNAGAR - 361 006 GUJARAT



KRISHI VIGYAN KENDRA JUNAGADH AGRICULTURAL UNIVERSITY, JAMNAGAR

1. GENERALINFORMATION ABOUT THE KVK

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

Address	Telep	hone	E mail	Web
Address	Office	FAX	E mail	address
Krishi Vigyan Kendra				
Millet Research Station, JAU	(0288)	(0288)	ludiom no gon@iou in	
Airforce Road, Opp. Digjam Mill	2710165	2710165	, , ,	www.jau.in
Jamnagar- 361 006			kvkjamnagar@gmail.com	

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

Address	Telephon	е	E-mail	Web address
Address	Office	FAX	E-Mail	web address
Junagadh Agricultural University, Junagadh – 362 001 (Gujarat)	PBX 2672080-90	(0285) 2672653	dee@jau.in	www.jau.in

1.2.b. Status of KVK webside :- Yes/No

- 1.2.c. No. of visitors (hits) to your KVK website (as on today) :-2789784
- **1.2.d. Status of ICT lab at your KVK :-** ICT lab was established centrally at University Headquarter, Junagadh Agricultrual University, Junagadh. As a part of ICT on KVK is also established.

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

	Telephone / Contact				
Name	Residence	Mobile	Email		
Dr. K. P. BARAIYA	Programme Coordinator Krishi Vigyan Kendra Junagadh Agricultural University, Airforce Road, Opp. Digjam Mill Jamnagar- 361 006	9427980032	kvkjamnagar@gmail.com kvkjamnagar@jau.in		

1.4. Year of sanction:

ZARS (KVK) 2001, LetterNo. F.No. 18(4)/99-NATP Dated October 31st, 2001 ICAR (KVK) 2004, LetterNo. F.No. 8(1)/2002-AE-II(Pt.) Dated February 5th, 2004

1.5. StaffPosition (as on 31stMarch, 2016)

S	I. Sanctioned	Name of	Desig-	Discipline	Pay	Grad	Present		Perm-			Email ID	Recent
N	o. post	the	nation		Scale	Pay	basic (Rs)	joining	anent	(SC/ST/	Numb		Photographs
		incumbe							/Temp-	OBC/	er		
		nt							orary	Others)			
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	Scientist &	Baraiya	Scientist &	Protection	67000			06			80032	@gmail.c	190
	Head		Head									om	
	Scientist	Shri S. H.	Scientist	Crop	15600-	6000	15600	30.03.20	Temp	Other	95373	sanjaylak	
		Lakhani		Production	39100			15			45780	hani1@g	7
												mail.com	F 1 31

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3	Scientist	Dr. V. C.	Scientist	Plant	15600-	6000	15600	29.06.20	Temp	Other		gadhiya_	
		Gadhiya		Protection	39100			15			96745	vipul17@	
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4	Scientist	Vaccant	Scientist	Horti.	15600-	6000	-	-	-	-			
					39100								
5	Scientist	Shri P. S.	Scientist	ExtensionEd		6000	22650	27.6.199	Temp.	OBC		psgorfad	
		Gorfad		ucation	39100			4			52291	@gmail.c	
												om	
6	Scientist	Dr. J. N.	Scientist	Fisheries	15600-	6000	21390	31.08.20	Temp.	Other		jnthaker	
		Thaker			39100			06			24247	@rediffm	
												ail.com	
7	Scientist	Smt. A. K.	Scientist	Home	15600-	6000	15600	17.08.20	T	Othern	00000	anjana1b	
′	Scientist		Scientist	Science		6000	13000	06	Temp.	Other			00
		Baraiya		Science	39100			06			2/60/	araiya@g mail.com	-
												IIIaii.Coiii	The second
8	Farm	Shri S. N.	Prog.	Pl. Breeding	9300-	4400	13700	14.2.201	FixPay	Other	90333	shyamgal	
	Manager	Galani	Asstt.	i ii bi ccuiiig	34800	1100	13700	2	i ixi uy	O tile!		anis1@g	28
	Manager	Galain	713500		3 1000			_			11337	mail.com	
												inan.com	
9	Programme	Shri H. S.	Prog.	Agril. Ent.	9300-	4400	13700	19.09.20	FixPay	Other	88662	hitzgodha	
	Assistant	Godhani	Asstt.		34800			15	,			ni@gmail	7
												.com	
10	Computer	Shri C. P.	Prog.	Computer	9300-	4400	11270	29.12.20	Temp	Other	94283	bhavyapa	
	Programme	Padhiyar	Asstt.	Operator	34800			08			78780	dhiyar@g	350
	r											mail.com	का
11	Accountant	Shri B. H.	O.S.	Adm.	9300-	4400	11270	11.6.200	Temp.	Other		joshibhav	
	/	Joshi			34800			8			62462	ik1984@	
	Superinten											gmail.co	
	dent											m	
12	Stenograph		Jr. Clerk	Adm.	5200-	2400	7810	11.06.20	Fix	Other		joshibhar	
	er	N. Dave			20200			08			95689	gavi5286	(4)
												@gmail.c	
											1	om	K and I
13	Driver	Vacant	Driver	Supt.	5200-	1900	-	-	-	-			
					20200						1	ļ	
14	Driver	Shri.	Driver	Supt. (Fix)	5200-	1900	6310	9.10.200	Temp.	S. T.	98241		
		D.M.			20200			7			73712		
		Chauhan											
15	Supporting	Shri R R	Peon	Supt.	4440-	1300	4620	01.11.20	Temp.	S.T.	99045	bipin.ba	
1.5		Bamaniya		Jupt.	7440	1300	7020	14	i cilip.	5.1.		maniya19	60
	Stall	Damainya			7440			14			33/34	86@gmai	
												l.com	
16	Supporting	Shri P S	Peon	Supt.	4440-	1300	4990	1.09.200	Temp.	S. T.	81414	psdamor	
-0	staff	Damor		Jupi.	7440	1300	.550	6	. cp.	J. 1.		007@gm	100
	Stair	20.1101			, 140]	ail.com	

1.6. Total land with KVK (in ha) :20.44 ha

Sl. No.	Item	Area in hectare(s)*
1	Under Building and Road	1.56
2	Under Demonstration units	0.70
3	Under crops	12.00
4	Orchard	3.50
5	Agro-forestry	0.24
6	Others (Farm Pond & Channels)	2.00
	Total	20.44

1.7. Infrastructural Development: A) Buildings

					Stage			
SI.		Courses		Complete		Incomplete		
No.	Name of building	Name of building Sourceof funding		Comp-		Star-	Plinth	Status of
IVO.		lullullig	letion	Plinth area (Sq.m)	diture	ting	area	const-
			Date		(Rs.)	Date	(Sq.m)	ruction
1.	Administrative	KVK	15-8-11	550	5500000			
	Building	NVN	15-6-11	550	3300000			
2.	Farmers Hostel	KVK	15-8-11	305	3000000			
3.	StaffQuarters (6)	KVK	15-8-11	400	4000000			
4.	Demonstration Units	KVK +	31-3-07					
	of vegetable	ATMA	31-3-07	-	-	•	-	-
5	Poly House	RKVY	31-3-09	320	281602	ı	-	-
	Net House	RKVY	31-3-09	150	64498	-	-	-
	Training Hall	RKVY	20-2-10	190.99	1395800	-	-	-
	Process Plant	RKVY	20-2-10	197.31	1536400	-	-	
	Implement shed	RKVY	11-2-10	77.33	297800	-	-	-
6	Rain Water		21.2	26m×26m (2				
	harvestingsystem	KVK	31-3- 2007	Ponds)60m×60m	999000	-	-	-
			2007	(1 Pond)				

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Presentstatus
Toyota Quallis	2004-05	490200	357651	Working
(GJ-10G 433)				
Hiro Honda(bike)	2010-11	46475	16719	Working
GJ-10 BB-1634	2010-11	40473	10/19	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Presentstatus
Captain Mini Tractor	2001-02	166125	Working
Telephoneline	2001-02	19850	Working
Multi tool carrier complete set	2001-02	6500	Working
Photocopier	2001-02	125000	Working
Over headprojector	2001-02	17600	Working
Computer	2002-03	29500	Working
HP Laser printer	2002-03	20390	Working
U.P.S. (3 KVA)	2002-03	38000	Working
Spectrophotometer	2005-06	89160	Working
Flame photometer	2005-06		Working
Physicalbalance	2005-06	10640	Working
Chemicalbalance	2005-06	100000	Working
Water distillation still	2005-06	96118	Working
Kieldahi digestion and distillation	2005-06	49644	Working
Shaker	2005-06	90090	Working
Grinder	2005-06	80080	Working
Refrigerator	2005-06	16772	Working
Oven	2005-06	30550	Working

Hot plate	2005-06		Working
Aspee tractor mounted sprayer	2006-07	32000	Working
Air assisted blower type sprayer	2009	98750	Working
Laptop computer (HCL)	2009	47500	Working
Digital camera (Nikon)P-90 12.1	2009	24300	Working
Cotton stalk shredder	2008-09	121000	Working
Groundnut digger-tractor operated	2009	78500	Working
Cultivator cum rotavator	2009	90000	Working
Groundnut decorticator	2009	95850	Working
Multi crop thresher	2009	114000	Working
Processing Unit	2009	1685000	Working
Plantar-tractor operator	2009	44000	Working
EPBX System	2012	44000	Working
Vertical Autoclave	2012	78190	Working
Laminar Airflow	2012	127440	Working
Electronic Balance (200 gm)	2012	12600	Working
EC/ Conductivity meter	2012	6300	Working
Portable pH Meter	2012	6300	Working
Compound microscope	2012	4410	Working
Trinocular microscope	2012	112000	Working
Digital temperature & humidity	2012	34750	Working
indicator cum controller	2012	34730	
Digital TDS meter	2012	3985	Working
Research centrifuse with accesaries	2012	42480	Working
Stabilizer	2012	10440	Working
Hot air oven	2012	41580	Working
BOD incubator	2012	46305	Working
Digital camera SLR (Canon)	2012	44750	Working
AC 1.5 tonn	2012	45990	Working

1.8. A). Details SACmeeting conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	01-10-2005	21	-	-
2.	07-10-2006	30	-	-
3.	02-11-2007	31	-	-
4.	17-10-2008	30	-	-
5.	14-09-2009	33	-	-
6.	29-4-2010	35	-	-
7.	07.04.2011	37	-	-
8.	10.04.2012	32	-	-
9.	02.04.2013	37	-	-
10.	27.12.2013	26	-	-
11.	21.02.2015	25	As below	As below
12.	29.01.2016	22		

2. DETAILS OF DISTRICT

The district of Jamnagar is lies in North Saurashtra Agro climatic zone(VI) with an area of 35.02 lakh hectare land. The total geographical area of entire district (21.8 – 22 ON, 69.0 – 70.7 E) occupies 14125 km² i.e. 14.125 lakh ha area in the west of Gujarat state. The climate is arid (80%) and semi arid (20%) with a meanmoistureindex of 67.5. About 95 to 98% of annual rainfall comes during the monsoon month of June to October, July and August being the rainiest months. The coefficient of variation ranges between 50 and 82%. The annual potential evapo-transpiration ranges between 1500 and 1650mm, three times the precipitation, resulting in no flow in the ephemeral channels for the most of the year. The district is a water scarcity area droughts are common in this region draughts of moderate to severeintensity occur once in 2 to 3 years. Although the integrateddrainagesystemfrom the story/rocky/gravelly surfaces and torrential nature of precipitation generate 40 to 60% of rainfall as runoff, steeper slopes and absence of checks allow the water to quickly flow to the sea. Being is hard rock terrain, the groundwater potential is very low, is already over exploited and mined, resulting in either the saline water ingress in the costal aquifers, or drying up of the ground water up to a depth of 100m. Consequently a need for holistic approach to water resourcedevelopmentin the district. Wind velocity prevailing in the district is higher order (14.1 km) ha on an annual averagebasisdue to sea coast area.

According to physiographically, majorportion of the area in the district have an altitude ranging between 25 to 150 meters, which consists ten taluka having gentle slope to moderate slope. The district is marked by radicaldrainage pattern. Deccantrap basalt occupies a major part of the district. The Quaternary formations include milliolite, limestone, alluvium and Geolian sediments. The dominantland forms are colluvial plains and rocky uplands. Low hills occur in the southern part of district and are dissected by numerous large and small seasonal streams, most of which drain towards north and form potential drainage basins. The district is characterized by shallow, black soil and coastal alluvial soils with large variations in depth, texture, structure salinity, and water erosion. Nearly two third area of the district is under cultivation. The major factors of land degradationare accelerated water erosion and Salinization.

Basicinformation of operational district, jamnagar:

Sr. No.	Details	JAMNAGAR	DEVBHUMI DWARKA
1	Total geographical area	6.075 lakh ha.	4.07509 lakh ha.
2	Totalcultivablearea	4.32 lakh ha.	2.52 lakh ha.
3	Netcultivated area	3.53 lakh ha.	2.38 lakh ha
4	Totalareaunder forest	0.43 lakh ha.	0.1736 lakh ha

5	Totalirrigated area	0.939 lakh ha.	0.939 lakh ha.).	
6	Number of holdings	1.44 lakh		1.17 lakh		
7	Averageannual rainfall	550 mm.		550 mm.		
8	Soiltype	Medium black		Medium black		
9	Totalnumber of villages	419 (8 city)		280 (8 city)		
	Totalpopulation	13.89 lakh (201	1)	7.48 lakh (2011	L)	
10	(a) Male	7.18lakh .		3.84lakh .		
	(b) Female	6.71 lakh		3.64lakh .		
11	Literacypercentage	Rural	Urban	Rural	Urban	
11	a. Male	86.95	79.55	76.14	80.74	
	b. Female	76.22	62.18	55.41	61.36	
		6 (Six),		4 (Four)		
		Jamnagar	Jamnagar			
12	Ni la a a a fi da la la a	Dhrol		Jamkalyanpur		
12	Number of talukas	Jodiya		Okha Mandal (Dwarka)		
		Kalavad	Kalavad		Bhanvad	
		Lalpur				
		Jamjodhpur				

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

S. No	viajor tarminį	Farming system/enterprise						
1	Crops	Cereals	:	Pearl millet, Sorghum, Wheat, Maize				
		Pulses	:	Greengram, Blackgram, Chickpea, pigeonpea				
		Oilseeds	:	Groundnut, Sesamum, Castor, Mustard,				
		Cash crops	:	Cotton,				
		Spices and condiments	:	Cumin, Fennel, Coriander, ajwan, Ishabgul				
	Vegetables		:	Onion, garlic, potato, chilli, binjal, tomato, cauliflower, Cowpea, cabbage, okra, peach, cucurbits etc				
		Horticulture	:	Chiku, pomegranate, lemon (Citrus), Jamun, Aonla, guava, custard apple, papaya, coconut, ber, Almond, Banana				
		Floriculture	:	Rose, merry gold, vevanti, etc				
		Other Crops	:	Chikori, Fenugreek				
2	Live stock	Bullocks and cows						
		Buffaloes						
		Sheep						
		Goats						
		Horse and camel						
		Poultry						

		Others animals	
3.	Fishery	340 km coastal belt	4832 tonnes fish production

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

a) Soil type

	Agro-	
S. No	climatic	Characteristics
	Zone	
	North	The influence area of North Saurashtra Agroclimatic Zone is spread among five districts
VI	Saurashtra	viz., Amreli (7 taluukas out of 10), Bhavnagar (7 talukas out of 14), Jamnagar (all the 10
		talukas), Rajkot (9 talukas of 13) and Surendranagar (6 talukas out of 9) covering 39
		talukas in all. The influence area of the zone lies between 21°-02' to 23°-16' North
		Latitude and 68°-56' to 72°-12' East Longitude. It is founded in the north by the Gulf of
		Kutch and parts of Rajkot as well as Surendranagar districts, in the East by the
		Ahmedabad district and ncoastal part of Bhavnagar district, on the South by the Junagadh
		district and parts of Amreli as well as Rajkot district, to the west by Arebian sea.
		The North Saurashtra region which comprises the peninsular part of Gujarat has low to
		medium rainfall and shallow to medium black soils and also coastal saline alluvial soils. In
		this Agro-climatic zone, cotton (Bt), groundnut, pearlmillet, wheat are the major crops
		which contribute considerably to the economy of the state. In Saurashtra, among this
		zone taking in to consideration the rainfall pattern, the topography, soil characteristics,
		the climate and the cropping pattern have been identified in Gujarat. The North
		Saurashtra zone have five main / sub station cum testing centre of University like Dry
		Farming Research Station with KVK, Targhadia (Rajkot District), Main Millet Research
		Station with KVK, Jamnagar, Oilseeds Research Station (Sesamum, Mustard, Sunflower)
		with KVK, Amreli, Dry Farming Research Station, Nanakandhasar, (Surendranagar District)
		and Dry Farming Research Station, Jamkhambhalia (Jamnagar District).

Agro – Ecological situation in the District

The advent of southwest monsoon greatly influences seasonal patterns of rainfall distribution in the district. Thus, meanannual rainfall provides useful comparison of agricultural potential of a given situation in the district. The mean rainfall in the district 539.17mm

The physiography of entireregion of district is more or less flat. However, the region is undulating with slopes having little hillyareas from 25 to 150 meters Physical features of the area vary from flat landto 150 meters above meansea level. Most of the area falls in the range of 25m to 150m above mean sea level.

Based on the soilsurveyinformation of the zone, the soils of the district hence been broadly classified in tofine categories Available information about the properties of these soils and their textures has been considered. The types of soils categories are as under: -

Shallow black soils

Medium black soils

Saline alkali soils

Costal alluvial soils

Hilly soils

While delineating the zoneinto district agro ecological situations, there major factors including varioussoil types, altitude and the rainfall patterns have primarily been considered. The district can be delineated into five agro ecological situations.

Although, each of the situations has rainfed and irrigated condition, but irrigationhas not been considered in identification of the agro ecological situations. While deciding the major crops, cropping patterns and constraints in production, mention has been made of both these conditions one or the other agro ecological situation occurs in the influencearea of the district. The fact that this does not preclude the existence of more than one agro ecological situations within the same area.

SI. No.	Agro EcologicalSit uation	Soiltextu re	Altitude	Principal crops	Specialfeature s	Approximate area (000ha)	Taluka included	Characteristics
AES-1		Sandy clay loam to clayey		Groundnut, wheat, sorghum, pearlmillet	Well drained soils with rapid permeability	124	Kalawad, Jamjodhpur, Bhanvad, Okha	Moisturestress , temperaturest ress
AES-2	Shallow Black soils with 600-700 mm Rainfall	Clayey	75 – 150	Groundnut, wheat, sorghum, pearlmillet	Slightly well drained soils with rapid permeability	180	Part of Kalyanpur, Jamnagar, Jamkhambhalia, Lalpur, Dhrol, Jodia	Moisturestress , temperature stress
AES-3	Coastal Alluvial soils with 300-400 mm Rainfall	Clayey loam to clayey	50	Groundnut, pearlmillet, sorghum, chickpea	Low nitrogen and phosphus	181	Jodia, part of Okha, Jamkhambhalia, Kalyanpur & Jamnagar	Salt affected salinity
AES-4	Coastal Alluvial soils with 500-700 mm Rainfall	Silt clay	25-50	Groundnut, pearlmillet, sorghum, chickpea	Low nitrogen and phosphorus	299	Kalyanpur, Jodia & Jamnagar, Khambhadia, Lalpur, Dwarka	Salt affected salinity
AES-5	Coastal Alluvialshallo w black soils with 300-400 mm Rainfall	Sandy loam toclay loam	0-25	Sorghum, Pearlmillet, Groundnut, Sesamum	Aridclimate	31	Okha	Known salinityforgenu s ephedra seacoast very rich in Alghl flor and fanner of economic importance.

2.3 Soil type

As the geographical formation of Saurashtra is to volcanic origin, the soils are generally desired from basaltic rock known as Daccan trap. This is the commonest rock in India and due to its extensive occurrence in south is called "Daccan Traps". In many parts, they 6 have flat top features and hence, are also known as plateau basalt. The trap rocks, which occupy a large part of western cost of India,

is also covering North Saurashtra zone. The most common colour of the trap rock in the region is dark grey. On weathering, trap rock form a ferruginous gravelly material known as murrum, which under lie-soil formed in situ. Soils, thus derived are either brown red in colour or regular, the black soil. In district black or brown colour is predominant. The soils are shallow to moderately deep. The detailed soil survey information for the soils of Jamnagardistrict are as under.

S. No	Soiltype	Characteristics	Area in ha
1	Shallow black soils	These soils have developed from basaltic trap especially from granite and gneiss parent materials. They light grey in colour. Taxonomically, they are classified as <i>Ustorthents</i> and <i>Ustochrepts</i> . Soils depth varies for cm to 45 cm. They are gravelly but mainly they are sandy clay loam to clayey in texture. The clay on tent in surface soil varies from 20% to 77.49% and calcium carbonate content varies from 3.76 to 26.71 per cent. The soil structure is weak, mainly sub angular blocky and occasionally crumb. Since these soils lack district profile layering and are shallow, capacity to retain moisture is not sufficient. The soils are neutral to alkaline in reaction p ^H ranges from 7.3 – 8.4) and from fertility point of view, these are medium in available nitrogen, low to medium in available phosphorus and adequate in availability of potash.	124000 ha (Kalawad, Jamjodhpur, Bhanvad, Okha)
2.	Medium black soils		180000 ha (Part of Kalyanpur, Jamnagar, Jamkham- bhalia, Lalpur, Dhrol, Jodia)
3.	Saline alkali soils	Saline alkali souls are extensively distributed on the coastal are3a as well as inlands. These soils are located in the districts of Jamnagar (Jodia, part of Okha mandal, Kalyanpur, Jamkhambhaliya and jamnagar talukas). These soils	181000 ha (Jodia, part of Okha,

		are originated as a result of higher water table, low rainfall and high evaporation losses during summer months resulting into upward movement of salts, poor drainage, use of saline ground water and ingress of sea water (in coastal areas). The souls are classified as <i>Fluvaquents</i> , <i>Halaquents</i> , and <i>Haplaquents</i> (Entisol): <i>Haplaquents</i> and <i>Haptaquepts</i> in order – <i>Inceptisol</i> .	a, Kalyanpur & Jamnagar)
		Texturally these soils vary from sandy loam to clay. The degree of salinity and alkalinity is also highly variable. In Jamnagar district, the saline and alkaly soils are widely distributed mainly termed as coastal soil. The soils are sandy loam to clay loam in texture. The EC varies from 1.54 to 38.6 m.mhos/cm and ESP ranges from 9.2 to 74.64% in surface soil. The p ^H varies from 7.6 to 9.00 in surface soils and normally calcareous in nature. Most of these soils are low to medium in available nitrogen and phosphorus and high in available potash.	
4.	Costal alluvial soils	these soils are located in the district of Jamnagar consisting Kalyanpur, Jodia and Jamnagar, Jamkhambhadia, Lalpur, Dwarka (Okha Mandal) and Dhrol, talukas. These soils are sandy clay loam to clay in texture. These soils are also affected with salts and are saline sodic in nature. The surface soil varies from 1.54 to 38.6 m.mhos/cm in Electrical conductivity, and from 9.2 to 74.64 in Exchangeable sodium percentage. The soil reaction varies with situation ranging from moderately alkaline or highly alkaline (pH 7.6 to 9.0). The souls are normally medium in fertility. Taxonomically, these souls are classified as <i>Halaquents</i> and <i>Haplaquents</i> — Entisol and <i>Helaquepts</i> and <i>Hapdaquents</i> in Inceptisol order.	299000 ha (Kalyanpur, Jodia & Jamnagar, Khambhadia, Lalpur, Dwarka)
5.	Hilly soils	These soils occur in some parts Bhanvad and Jamjodhpur talukas of Jamnagar district. Because of the steep slope and erosion, the profile is not developed. These soils are developed because of weathering of parent materials existing basaltic trap limestone and sand stone. These soils are shallow to moderately deep and are coarse to find in their texture. The texture varies from loamy sand to clay loam to clay. They have under composed rock fragments and are low in fertility status. These soils are placed in to <i>Ustorthents</i> and those near foothills and valley are comparatively deeper can be placed under <i>Ustochrepts</i> and can be classified under estisol and <i>Inceptisol</i> orders respectively.	Bhanvad and Jamjodhpur)

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
	Oilseeds			
1	Groundnut	378335	5675025	15
2	Sesamum	6280	22608	3.6
3	Castor	7375	192487.5	26.1
4	Soybean	8	140	17.5
	Total Oilseeds	391998		
	Cash Crops			
5	Cotton	180440	4150120	23
6	sugarcane	150	7500	50
	Total Cash Crops	180590		
	Food Grain			
7	Wheat	58600	1881060	32.1
8	Pearlmillet	3520	46112	13.1

9	Sorghum	8100	85050	10.5
10	Maize	2850	20520	7.2
10	Total Food Grains	73070	20320	7.2
	Pulse Crops	75070		
11	Greengram	4185	23436	5.6
12	Blackgram	2910	17867.4	6.14
13	Cowpea	285	1071.6	3.76
14	Pigeon pea	175	1925	11
15	Moothbean	360	1512	4.2
16	Chickpea	31300	350560	11.2
17	Cluster bean	75	1406.25	18.75
18	Other pulses	15	0	20.75
	Total Pulses	39305		
	SPICES AND CONDIMENTS	33303		
19	Cumin	27690	146757	5.3
20	Fennel	115	241.5	2.1
21	Coriander	1460	15330	10.5
22	Ajwan	1690	6929	4.1
23	Ishabgul	150	1020	6.8
24	Chilli	740	7104	9.6
25	Garlic	7000	518000	74
26	Dill seed	50	275	5.5
20	Total spices	38895	0	3.3
	VEGETABLE	30033	0	
27	Onion	2980	518520	174
28	Potato	2150	49450	23
29	Brinjal	1560	173160	111
30	Tomato	1980	301950	152.5
31	Cauliflower	440	44000	100
32	Cowpea	840	34356	40.9
33	Cabbage	435	43500	100
34	Okra	1550	85715	55.3
35	Fenugreek	40	460	11.5
36	Peach	5	10	2
37	Cucurbits	42	1596	38
38	Cluster bean	1138	46999.4	41.3
39	Other vegetable	17	484.5	28.5
	Total Vegetable	13177	0	20.0
	FRUIT CROPS		0	
40	Chiku	238	21658	91
41	Pomegranate	77	4004	52
42	Citrus	173	7006.5	40.5
43	Jamun	7	14.7	2.1
44	Aonla	76	2964	39
45	Guava	15	600	40
46	Custard apple	70	3605	51.5
47	Papaya	187	86955	465
48	Coconut	380	2850000	7500
49	Ber	300	15750	52.5
50	Almond	55	2200	40
51	Banana	12	1140	95
52	Mango	425	37825	89
53	Cashew nut	7	24.5	3.5
54	Other fruits	165	8250	50
	Total Fruits	2187	0	
	FLOWERS		0	
55	Rose	31	1798	58

56	Merry gold	52	4576	88
57	Shevanti	1	0	
58	Lilly	7	18.9	2.7
59	Other flowers	55	1540	28
	Total flowers	146	0	
	OTHER CORPS		0	
60	Chikori	50	4325	86.5
61	Palma Rosa	43	5375	125
	Total Other crops	93		
	Fodder crops			
62	Lucern	1105	132600	120
63	Sorghum	16660	2499000	150
64	Maize	2910	0	
	Total Fodder crops	20675		

^{*} Source : DAO, & Dy.Dir.Hort., Jamnagar

2.5. Weather data (January-15 to March-16)

Week No	Temp. C°		R.H.%		ws	BSS	Eo	Rain	Rainy
	Max	Min	ı	II.	(kmph)	(hrs)	(mm)	(mm)	Days
1-J	29.7	13.9	81	33	3.7	9.0	4.9		
2	26.9	13.3	89	40	4.3	8.6	4.6		
3	25.9	11.8	75	31	4.7	9.5	4.8		
4	26.3	12.1	75	37	4.8	9.7	4.6		
5	27.9	15.0	83	39	5.4	9.2	4.6		
6-F	28.1	13.1	74	28	6.0	9.9	4.9		
7	27.3	15.6	65	37	7.8	8.7	5.2		
8	29.9	15.7	87	28	5.2	7.2	5.3		
9	34.1	17.9	71	24	5.4	9.6	5.8		
10-M	32.1	19.3	82	37	7.6	9.8	5.5		
11	31.5	20.7	85	39	9.0	10.0	5.6		
Mean	29.1	15.3	79	34	5.8	9.2	5.1	0.0	0
Highest	34.1	20.7	89	40	9.0	10.0	5.8		
Lowest	25.9	11.8	65	24	3.7	7.2	4.6		

^{*} Source: Meteorological observatory, Millet Research Station, JAU, Jamnagar;

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

Category	Population	Production	Productivity
Cattle	349229	2475.2 qtl total milk	
Crossbred			8.585 lit/day
Indigenous			3.375 lit/day
Buffalo	209616		4.451 lit/ha
Sheep	232530	295.16 lakh kg wool	
Crossbred			
Indigenous			
Goats	173022		0.274 lit/ha
Pigs		290097.9 Qtl meat	
Crossbred			
Indigenous			
Poultry	38041	12.77 lakh eggs	
Hens			
Desi			
Improved			
Horse &	410		

Camels	2260	
Donkey	2577	
Total Milk		
Total egg		
Total wool		

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

Source: Assistant Directorate of Fishries, Jamnagar

2.7 Details of Operational area/ Villages (2015-16 to 2018-19)

SI No	Taluka	Name of the village		Major problem identified	Identified thrust area
1	Kalavad	Mulila, Chhatar, Chelabedi, Sanosara Golaniya, Laxmipur (Dudhala)	Cotton, groundnut, sesamum, castor,	Heavy infestation of sucking pest in cotton, stem rot disease in	ICM in major crops of the districtIntroudction of new cropRecycling of farm waste
2	Lalpur	Bhangor, Memana Dharampur, Govana Pipartoda, Babarjar	greengram, wheat, Gram, cumin, mustard,	Groundnut, Root rot in castor, Less area under	Populirization of MISMotivation of fishries cultivation
3	Bhanvad	Morjar, Sahidevaliya Dudhala, Rojivada Vanavad, Fatepur	Soyabean, flowers, live	horticulture crops, Blight in cumin, salinity, pink bollworm in cotton	Soil ReclamationFarm womenempowermentFarm mechanization

2.8 Priority thrust areas

SI. No	Crop/ Enterprise	Thrustarea
		➤ Integrated Crop Management in major crops
	Cotton, groundnut, castor,	> IPM & IDM in major field crops
1.	cumin, coriander, wheat,	Whitegrub management in Groundnut
	vegetables, fruits, etc.	Wireworm management in garlic & Onion
		Micronutriet management in wheat
2.	Organic farming	Enhancement of organic farming through improved technologies
3.	Farm waste/ organic matter	Recycling of farm waste through composting, vermicompost, green
٥.	Tailli waste/ Oigailic illattei	manuring, etc.
4.	Micro irrigation	Efficient use of water by micro irrigation system, water harvesting
	Where it rigation	structure, and water conservation techniques
5.	Soil	Reclamation of saline & alkaline soils
6.	Farm Women	Farm women empowerment by training in value addition, handi crafts,
<u> </u>	Turni Women	and small scale enterprises
7.	Fisheries	Fish Farming
8.	Improved Implements	Popularization of the mechanized technological know how
9.	Plant protection	Pinkboll worm in cotton and white grub in groundnut,
10	Horticultural area	Enhancement of pomegranate, datepalm
11.	Storage facility	Requirement of storage techniques and value addition in farm produce

12.	Water conservation & use	Efficient use of water by micro irrigation system, water harvesting
12.	of Micro irrigation	structure, and water conservation techniques

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

0	FT	FLD			
(1)	(2)			
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers		
10	42	48	219		

Tra	ining	Extension Activities				
	3)	(4	1)			
Number of Courses	Number of Participants	Number of activities	Number of participants			
90	3435	506	56306			

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
10	100	0	500

3. B. Abstract of interventions to be undertaken

1 F 2 F 3 F				Interventions Title of Supply of							
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Title of Trainin g if any		Exten sion activi ties	Supply of seeds, planting materials etc.		
1	PLP	Groundnut	Heavy infestation of white grub	Management of whitegrub in groundnut							
2	PLP	Chilli	Minimize the incidence of thrips in chilli.	Management of thrips in chilli.							
3	PLP	Garlic	To minimize the infestation of purple blotch of garlic	Management of purple blotch of garlic							
4	СР	Groundnut	Low yield of groundnut	Effect of Biofertilizers in Groundnut production							
5	СР	Onion	Nutrient deficiency	Response of Bio fertilizers to wheat yield							
6	СР	Wheat	Nutrient deficiency	Nutrient management in wheat crop							
7	WOE	Mango	Spoilage in mango pickle	Effect of salt and oil on Spoilage of mango pickle							
8	WOE	Food Material	Imbalance nutritional pattern,	Evaluation of low cost high calorie & protein diets made from locally available food materials.							
	FIS	IMC	Reduce mortality rate	Pen cultures of Indian Major Carp (IMC) spawn to fry before stocking in village Pond/Reservoir							

	FIS	Fresh water	Use of natural resources	Stocking of Freshwater prawr			•
		prawn &		(Macrobrachiumrosenbergii)			
		IMC		with IMC fingerlings in village			
				pond/Reservoir			

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	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating										
enterprises										
TOTAL										

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management	2	1								3
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology						1				1
Integrated Pest Management		1			1					2
Integrated Disease Management					1					1
Resource conservation										
technology										
Small Scale income generating										
enterprises										
TOTAL	2	2			2	1				7

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								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating								
enterprises								
TOTAL								

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				2	2
Feed and Fodder	 				
Small Scale income generating	 				
enterprises					
TOTAL				2	2

B. Details of On Farm Trial

OFT-1

Title: Management of whitegrub in groundnut Objective: To manage the whitegrub incidence

Treatments:

- 1. Injudicious use of pesticides. (Farmers Practices).
- 2. Recommended dose of Pesticide as chlorpyriphos or quinalphos @ 25 ml/kg seed. Drenching of Chlorpyriphos or quinalphos @ 4 lit/ha as iniciation of pest incidence. (Recommended practices).
- 3. Application of ready mix combination of Imidacloprid 40% + Fipronil 40% @ 2.5 g/kg seed. Drenching of ready mix combination of Imidacloprid 40% + Fipronil 40% @ 250 g/ha as iniciation of pest incidence. (Refinement-1).
- 4. Soil application of Beauveriabassiana @ 5 kg/ha (Refinement-2).
- 5. Soil application of Metarhizium anisopliae @ 5 kg/ha (Refinement-3).
- 6. Application urea followed by flood irrigation (Refinement-4)

No. of Replication :- 3 (Farmers)

Observations:-

1. Record no. of grub per 1 metre row lenth. 2. Yield data.

OFT-2

Title: Management of thrips in chilli.

Objective: To minimize the thrips incidence in chilli.

Treatments:

- 1. Injudicious use of insecticides (Spray insecticides at weekly interval) (Farmers practices)
- 2. Seed treatment with imidacloprid 70 WS (7.5 g/kg seed) and dipping of seedling before transplanting for two hours in solution of imidacloprid 17.8 SL (10 ml/10 litre water) or thiamethoxam 25 WG (10 g/10 litre water). Spraying of spinosad 45 SC (3 ml/10 litre water) (Recommended practices)
- 3. Spray of Bearuveria bassiana @ 5 g/lit of water at 15 days interval (Refinement 1).
- 4. Spray of jeevamrutham or Gaumutra @ 100 ml/lit of water at 15 days interval (Refinement 2)

No. of Replication: 3 (Farmers)

Observations:

- 1. Record thrips population from five randomly selected plants from each plot at 7 days after spray
- 2. Record yield at every picking.

OFT-3

Title: Management of purple blotch of garlic.

Objective: To minimize the infestation of purple blotch of garlic.

Treatments:

- 1. Injudicious use of fungicide (Spray insecticides at weekly interval) (Farmers practices).
- 2. Foliar sprays of Mancozeb @0.25%, Tricyclazole @ 0.1% and Hexaconazole @0.1% at 30, 45 and 60 days respectively after transplanting helps in checking disease incidence. (Recommended practices) (Director of Onion & Garlic Research Station, ICAR)
- 3. Application of Trichoderma @ 5 kg/ha along with FYM @ 1 tonne/ha by broadcasting method + Foliar sprays of Hexaconazole @ 0.1% and Tebuconazole @ 0.1% at 40 and 60 days respectively after transplanting helps in checking disease incidence (Refinement).

No. of Replication: 3 (Farmers)

Observations:

1. Record no. of infected plant per 1 meter row length

2. Yield data

OFT:-4

Title: Effect of Bio fertilizers in Groundnut production

Objective: Use of Bio-fertilizer; minimize use of chemical fertilizers as well as cost

Treatments:

- 1. Farmers Practices
- 2. Recommended dose of fertilizer (12.5N -25P₂O₅-50K₂O)Kg/ha.(Recommendationed practices).
- 3. 75% RDF + Seed treatment of Rhizobium, PSB and KMB culture (Potas Mobilizing Bacteria) each at 25 to 30 ml/kg seed (Refinement).

No. of Replication :- 3 (Farmers)

Observations:-

- 1. Soil analysis at before and after
- 2. Yield (Kg/ha)
- 3. Economics

OFT:5

1. Title: Response of Bio fertilizers to wheat yield

2. Objective::Use of bio fertilizer, to increase yield of wheat

Treatments:

- 1. Farmer's practice:- Application of only DAP & Urea in different doses
- 2. Recommended practice: 120-60-40 NPK kg/ha
- **3.** Intervention:- Application of Azatobacter, PSB &KMB culture (each at 25 to 30 ml/kg seed) + 75% of RDF

No. of Replication :- 3 (Farmers)

Observation:

- 1. Soil analysis at before and after
- 2. Yield (kg/ha)
- 3. Economics (B:C ratio)

OFT-6

Title: Nutrient management in wheat crop

Objective: To increase yield of wheat

Treatments:

- 1. Injudicious use of fertilizer (200 N 90 P₂O₅ 0 K₂O). (Farmers Practices).
- 2. Recommended dose of fertilizer (120 N 60 P_2O_5 40 K_2O) + $ZnSO_4$ @ 25 kg/ha (Recommendationed practices).
- 3. T_2 + two spay of multi mix micronutrient @ 30 g/10 lit of water at 30, and 45 days after germination. (Refinement).

No. of Replication :- 3 (Farmers)

Observations:-Grain and fodder yield of wheat.

OFT-7

Title: Effect of salt and oil on spoilage of mango pickle

Objective: 1. To prevent soft and slippery pickle 2. To increase self life of pickle 3. Cost saving

Treatments:

Common ingredients use for all treatments:- Mango 1 kg, turmeric powder 5 gm, jaggari/sugar 600 gm, fenugreek 50 gm, mustard 30 gm, asafoetida (hing) 5 gm, coriander 30 gm, funnel 30 gm,redchilly powder 30 gm.

- 1. Solt 12% (120 gm) + Oil 800ml/ kg mango (Farmers practices)
- 2. Solt 15% (150 gm) + Oil 250ml/ kg mango (Recommended practices)
- 3. Solt 20% (200 gm) + Oil 200ml/ kg mango (Refinement)

No. of Replication :- 3 (Farm women)

Observations:-

1. Self life (days) 2. Colour 3. Texture 4. Cost

OFT-8

Title: Evaluation of low cost high calorie & protein diets made from locally available food materials.

Objective: To study the effect of low cost high calorie diet on the growth of pre school children.

Treatments:

- 1. Existing dietary pattern (Control).
- 2. Diet provided by ICDS (Recommended practices).
- 3. Low cost high calorie & high protein diet prepared from locally available food materials. (Refinement).

No. of Replication: 3 repetition 5 children in each treatment (3-5 year children)

Observations:-

1. Height, weight measurement at an interval of every month up to six month.

OFT-9

Title:Pen cultures of Indian Major Carp (IMC) spawn to fry before stocking in village Pond/Reservoir.

Objectives: 1. Mortality rate is too much higher.

2. Uncertainty about final production.

Experimental Animal: IMC spawn

Treatment: 1. Farmer's practices- Direct stocking of spawn into village ponds/reservoir.

2. Assessment- Rearing of IMC spawns in pen up to fry stage and then release into the village pond/reservoir.

No of Replications: 3 farmers

Observations:

- 1. Survival rate in Pen (percentage)
- 2. Growth rate in Pen (average body weight)
- 3. Total production (in KG.) at the time of harvesting from village pond/reservoir
- 4. Average body weight at the time of harvesting
- 5. Total net income

OFT: 10

Title: Stocking of Freshwater prawn (*Macrobrachiumrosenbergii*) with IMC fingerlings in village pond/Reservoir

Objectives: 1. Use maximum natural resources (Food, water body etc.)

2. To increase total yield and Income.

Experimental Animal: IMC fingerlings (Catlacatla) and M. rosenbergii

Treatment: 1. Farmer's practices- stocking a single species *Catlacatla* into ponds/reservoir.

2. Assessment- stocking of M. rosenbergii with Catlacatla fingerlings into ponds/reservoir

No of Replications: 3 farmers

Observations:

- 1. Average body weight of IMC and Prawn at the time of harvesting
- 2. Total production of fish and prawn (in KG.) at the time of harvesting from village pond/reservoir
- 3. Total Net income

3.2 Frontline Demonstrations

A. Details of FLDs to be organized –

Sr.	Name of	Name of	Thematic	Technology	Critical Inputs	Season	Area	No. of	Parameters
No.	Crop/	Variety	area	demonstrated		and	(ha.)	farmers	identified
	Enterprise	Enterprises				year		/Demo.	

	I								
1	Groundnut	GG-20	IPM (White	Insecticide	Beauveria,	Kharif-	4	10	% plant
			grub)			16			Damage,
									population
									of
									Whitegrub
									per sq.m.
2	Groundnut	GG-20	Disease	Biological	Trichoderma 1 kg	Kh-	2	5	% plant
			mana.(Trich)	control		16			damage
3	Groundnut	GG-20	Pest	Boilogical	NPV-250 LE	Kh-	2	5	No. of
			mana.(NPV)	control		16			larvae per
									meter, %
									infested
									larvae,
4	Cotton	Bt. Cotton	IPM	Insecticide (Azadirechtin ;	Kh-16	8	20	Pest
					Profenophos.; Bio				population,
					pesticide				yield
					(Beauveriabassiana)				
5	Brinjal	-	IPM	Insecticide	(Azadirechtin ;	Kh-16	2	5	Yield, %
					Profenophos).; Bio				fruit
					pesticide				damage
					(Beauveriabassiana)				
6	Chilly	-	IPM	Insecticide	(Azadirechtin ;	Kh-16	2	5	Yield, %
					Profenophos).; Bio				fruit
					pesticide				damage
					(Beauveriabassiana)				
7	Wheat	-	INM	Micronutrient	Mix micronutrient,	Rabi-	4	10	Yield,
					Bio fertilizers	16			yellowing
8	Chick pea	GJG-3	IPM, Varietal	Biopesticide,	NPV, Beauveria,	Rabi-	4	10	Yield, %
				Seed (GJG-3)	Seed (GJG-3)	16			pod
									damage
9	Cumin	GC-4	IDM	IDM	Trichoderma,	Rabi-	4	10	Yield, %
					Fungicide, Seed	16			Plant
					(GC-4)6kg				damage
10	Coriander	GC-2	Varietal	Variety	Seed (8 kg)	Rabi-	8	20	Yield
						16			
11	Green	GM-4	Varietal	Variety	Seed (GM-4) 10 kg	Sum-	4	10	Yield
<u> </u>	gram					16-17			
12	Pearl	GHB-538	Varietal	Variety	Seed (GHB-538) 1.5	Sum-	4	10	Yield
	Millet				kg	16-17			
13	Kitchen	Vegetable	Nutritional	Seeds of	Seeds of vegetable	2016-	100	100	Cost saving
1	gardening	seeds	management	vegetable for	for kitchen	17			
1				kitchen	gardening				
				gardening					

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
	Groundnut (Whitegrub)			
1	Field days	1	July	20
2	Farmers Training	1	May	30
3	Media coverage	1	May	
4	Training for extension functionaries	1		
	Groundnut (Trichoderma)			
1	Field days	1	July	20
2	Farmers Training	1	May	30
3	Media coverage	1	May	
4	Training for extension functionaries	1		

	Groundnut (NPV)			
1	Field days	1	July	20
2	Farmers Training	1	May	30
3	Media coverage	1	May	
4	Training for extension functionaries	1		
	Cotton	_		
1	Field days	1	August	20
2	Farmers Training	1	June	30
3	Media coverage	1	April	30
4	Training for extension functionaries	1	April	
4	Brinjal	1		
1	Field days	1	July	20
2	Farmers Training	1	May	30
3	Media coverage	1	May	
4	Training for extension functionaries	1		
	Chilly			
1	Field days	1	July	20
2	Farmers Training	1	May	30
3	Media coverage	1	May	
4	Training for extension functionaries	1		
	Wheat			
1	Field days	1	November	20
2	Farmers Training	1	October	30
3	Media coverage	1	October	
4	Training for extension functionaries	1		
	Chickpea			
1	Field days	1	November	20
2	Farmers Training	1	October	30
3	Media coverage	1	October	
4	Training for extension functionaries	1		
	Cumin			
1	Field days	1	November	20
2	Farmers Training	1	October	30
3	Media coverage	1	October	30
4	Training for extension functionaries	1	October	
		1		
1	Coriander Field days	1	November	20
1	Field days	1		20
2	Farmers Training	1	October	30
3	Media coverage	1	October	
4	Training for extension functionaries	1		
	Green Gram			
1	Field days	1	March	20
2	Farmers Training	1	February	30
3	Media coverage	1	February	
4	Training for extension functionaries Pearl Millet	1		
1	Field days	1	March	20
2	Farmers Training	1	February	30
3	Media coverage	1	February	
4	Training for extension functionaries	1		
	Kitchen gardening			
1	Field days	1	July	20
2	Farmers Training	1	June	30
3	Media coverage	1	May	
4	Training for extension functionaries	1	· · · · · · · · · · · · · · · · · · ·	

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and No. of farmers		Area (ha)	Critical inputs	Performance parameters / indicators
Solar Cooker		2016-17	5	5	Solar cooker	Time & fuel
Tractor mounted sprayer	Groundnut	2016-17	3	2	-	Time & fueld
Cotton shredder	Cotton	Rabi	2	2	-	

(ii) Livestock Enterprises

	Enterprise	Breed	No. of farmers	No. of animals, poultry	Critical inputs	Performance parameters /
- 1	•		•	•	•	***************************************

		birds/ha. etc.	indicators

3.3.1.1 Training (Including the sponsored and FLD training programmes):

A. ON Campus

Thematic Area	No. of			No	. of partici	•		
	couses		oters			SC/ST		Grand
	000.000	Male	Female	Total	Male	Female	Total	Total
(A) Farmers & Farm Women				0			0	0
I Crop Production				0			0	0
Weed Management				0			0	0
Resource Conservation Technologies				0			0	0
Cropping Systems	1	23	0	23	2		2	25
Crop Diversification				0			0	0
Integrated Farming				0			0	0
Water management	1	22		22	3		3	25
Seed production				0			0	0
Nursery management				0			0	0
Integrated Crop Management	1	20		20	5		5	25
Fodder production				0			0	0
Production of organic inputs	1	23		23	2		2	25
II Horticulture				0			0	0
a) Vegetable Crops				0			0	0
Production of low volume and high value crops	1	25	0	25	0	0	0	25
Off-season vegetables				0			0	0
Nursery raising				0			0	0
Exotic vegetables like Broccoli				0			0	0
Export potential vegetables	1	25	0	25	0	0	0	25
Grading and standardization				0			0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	25	0	25	0	0	0	25
b) Fruits				0			0	0
Training and Pruning				0			0	0
Layout and Management of Orchards				0			0	0
Cultivation of Fruit				0			0	0
Management of young plants/orchards				0			0	0
Rejuvenation of old orchards				0			0	0
Export potential fruits				0			0	0
Micro irrigation systems of orchards	1	25	0	25	0	0	0	25
Plant propagation techniques				0			0	0
c) Ornamental Plants				0			0	0
Nursery Management				0			0	0
Management of potted plants				0			0	0
Export potential of ornamental plants				0			0	0
Propagation techniques of Ornamental Plants				0			0	0
d) Plantation crops				0			0	0
Production and Management technology				0			0	0
Processing and value addition				0			0	0
e) Tuber crops				0			0	0
Production and Management technology				0			0	0
Processing and value addition		1		0			0	0
f) Spices				0			0	0
Production and Management technology	1	25		25			0	25
Processing and value addition				0			0	0
g) Medicinal and Aromatic Plants				0			0	0
Nursery management		1		0			0	0
Production and management technology		1		0			0	0
Post harvest technology and value addition				0			0	0
III Soil Health and Fertility Management				0			0	0
Soil fertility management		1		0			0	0
Soil and Water Conservation		1	1	0			0	0
Integrated Nutrient Management	1	23	0	23	2	0	2	25
Production and use of organic inputs	_	1 23	<u> </u>	0			0	0
Management of Problematic soils		+		0			0	0
Micro nutrient deficiency in crops		+		0			0	0
Nutrient Use Efficiency	1	23	0	23	2	0	2	25
read lene Ode Efficiency		23	_ U	0		, J	0	0

IV Livestock Production and Management				0			0	0
Dairy Management	1	10	15	25			0	25
Poultry Management	-	10	13	0			0	0
Piggery Management				0			0	0
Rabbit Management/goat				0			0	0
Disease Management				0			0	0
Feed management	2	10	35	45			0	45
Production of quality animal products				0			0	0
V Home Science/Women empowerment				0			0	0
Household food security by kitchen gardening and								
nutrition gardening				0			0	0
Design and development of low/minimum cost diet				0			0	0
Designing and development for high nutrient				•				
efficiency diet	1		25	0		0	0	0
Minimization of nutrient loss in processing	1		25	25 0		0	0	25 0
Gender mainstreaming through SHGs Storage loss minimization techniques				0			0	0
Value addition	2		45	45		5	5	50
Income generation activities for empowerment of			43	43		,	3	30
rural Women	1		17	17		8	8	25
Location specific drudgery reduction technologies				0			0	0
Rural Crafts				0			0	0
Women and child care				0			0	0
VI Agril. Engineering				0			0	0
Installation and maintenance of micro irrigation								
systems	1	23		23	2		2	25
Use of Plastics in farming practices	1	22		22	3		3	25
Production of small tools and implements				0			0	0
Repair and maintenance of farm machinery and								
implements				0			0	0
Small scale processing and value addition	1	15	10	25			0	25
Post Harvest Technology				0			0	0
VII Plant Protection				0			0	0
Integrated Pest Management	2	47		47	3	0	3	50
Integrated Disease Management	2	50		50			0	50
Bio-control of pests and diseases				0			0	0
Production of bio control agents and bio pesticides				0			0	0
VIII Fisheries	1	15	10	0			0	0
Integrated fish farming	1	15 17	10 8	25 25			0	25 25
Carp breeding and hatchery management Carp fry and fingerling rearing	1	1/	8	0			0	0
Composite fish culture	1	15	10	25			0	25
Hatchery management and culture of freshwater	1	13	10	23			U	23
prawn				0			0	0
Breeding and culture of ornamental fishes				0			0	0
Portable plastic carp hatchery				0			0	0
Pen culture of fish and prawn				0			0	0
Shrimp farming				0			0	0
Edible oyster farming				0			0	0
Pearl culture				0			0	0
Fish processing and value addition	1	15	10	25			0	25
IX Production of Inputs at site				0			0	0
Seed Production				0			0	0
Planting material production				0			0	0
Bio-agents production				0			0	0
Bio-pesticides production		1		0			0	0
Bio-fertilizer production				0			0	0
Vermi-compost production				0			0	0
Organic manures production		1		0			0	0
Production of fry and fingerlings Production of Bee-colonies and wax sheets				0			0	0
Small tools and implements				0			0	0
Production of livestock feed and fodder		1		0			0	0
Production of fish feed				0			0	0
X Capacity Building and Group Dynamics				0			0	0
Leadership development	1	22		22	3		3	25
Group dynamics	<u> </u>			0	,		0	0
Formation and Management of SHGs				0			0	0
Mobilization of social capital	1	18	5	23	2	0	2	25
Entrepreneurial development of farmers/youths	2	47		47	3		3	50
WTO and IPR issues		1		0	-		0	0

XI Agro-forestry				0			0	0
Production technologies				0			0	0
Nursery management				0			0	0
Integrated Farming Systems				0			0	0
XII Others (Pl. Specify)				0			0	0
TOTAL	33	585	190	775	32	13	45	820
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	2	22	17	39	1	0	1	40
Integrated Farming (Medicinal)				0			0	0
Planting material production				0			0	0
Vermi-culture	1	19	0	19	1	0	1	20
Sericulture	_			0			0	0
Protected cultivation of vegetable crops				0			0	0
Commercial fruit production				0			0	0
Repair and maintenance of farm machinery and				0			0	
implements	1	14	0	14	1	0	1	15
Nursery Management of Horticulture crops	1	14	U	0		U	0	13
	 			0			0	0
Training and pruning of orchards	2	0	4.4		0			
Value addition	2	0	44	44	0	6	6	50
Production of quality animal products	1			0			0	0
Dairying	ļ			0			0	0
Sheep and goat rearing	ļ			0			0	0
Quail farming				0			0	0
Piggery				0			0	0
Rabbit farming				0			0	0
Poultry production				0			0	0
Ornamental fisheries	1	13	7	20	0	0	0	20
Para vets				0			0	0
Para extension workers				0			0	0
Composite fish culture				0			0	0
Freshwater prawn culture				0			0	0
Shrimp farming				0			0	0
Pearl culture				0			0	0
Cold water fisheries				0			0	0
Fish harvest and processing technology				0			0	0
Fry and fingerling rearing				0			0	0
Small scale processing				0			0	0
Post Harvest Technology				0			0	0
Tailoring and Stitching				0			0	0
Rural Crafts				0			0	0
TOTAL	7	68	60		3	6	9	
	/	58	68	136	3	Ь	9	145
(C) Extension Personnel		20	-	25	_	0	_	40
Productivity enhancement in field crops	1	30	5	35	5	0	5	40
Integrated Pest Management	1	30	5	35	5	0	5	40
Integrated Nutrient management	ļ			0			0	0
Rejuvenation of old orchards	ļ			0			0	0
Protected cultivation technology	1	30	5	35	5	0	5	40
Formation and Management of SHGs	ļ			0			0	0
Group Dynamics and farmers organization				0			0	0
Information networking among farmers				0			0	0
Capacity building for ICT application				0			0	0
Care and maintenance of farm machinery and								
implements	<u> </u>			0	<u>L</u>	<u> </u>	0	0
WTO and IPR issues				0			0	0
Management in farm animals				0			0	0
Livestock feed and fodder production				0			0	0
Household food security				0			0	0
Women and Child care				0			0	0
Low cost and nutrient efficient diet designing				0			0	0
Production and use of organic inputs	<u> </u>			0			0	0
Gender mainstreaming through SHGs	 			0			0	0
r ochoci manoricantilis tillousti of 100				0			0	0
								U
Any other (Pl. Specify)	2	90	15		15	0		120
	3	90 743	15 273	105 1016	15 50	0 19	15	120 1085

B. OFF Campus

B. OFF Campus				No	. of partici	nant		
Thematic Area	No. of		oters	INO	. Or partici	SC/ST		Grand
	Courses	Male	Female	Total	Male	Female	Total	Total
(A) Farmers & Farm Women				0			0	0
I Crop Production	1	25		0		2	0	0
Weed Management	1	35	6	41	7	2	9	50
Resource Conservation Technologies				0			0	0
Cropping Systems	1	30	10	40	7	3	10	50
Crop Diversification Integrated Farming				0			0	0
Water management				0			0	0
Seed production	1	30	15	45	5	0	5	50
Nursery management				0			0	0
Integrated Crop Management				0			0	0
Fodder production				0			0	0
Production of organic inputs	1	35	10	45	5		5	50
II Horticulture				0			0	0
a) Vegetable Crops Production of low volume and high value crops	1	50		50			0	0 50
Off-season vegetables		30		0			0	0
Nursery raising				0			0	0
Exotic vegetables like Broccoli				0			0	0
Export potential vegetables				0			0	0
Grading and standardization				0			0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	35	15	50			0	50
b) Fruits				0			0	0
Training and Pruning Layout and Management of Orchards				0			0	0
Cultivation of Fruit				0			0	0
Management of young plants/orchards	1	50		50			0	50
Rejuvenation of old orchards				0			0	0
Export potential fruits				0			0	0
Micro irrigation systems of orchards				0			0	0
Plant propagation techniques				0			0	0
c) Ornamental Plants				0			0	0
Nursery Management Management of potted plants				0			0	0
Export potential of ornamental plants				0			0	0
Propagation techniques of Ornamental Plants				0			0	0
d) Plantation crops				0			0	0
Production and Management technology				0			0	0
Processing and value addition				0			0	0
e) Tuber crops				0			0	0
Production and Management technology Processing and value addition				0			0	0
f) Spices				0			0	0
Production and Management technology	1	50		50			0	50
Processing and value addition				0			0	0
g) Medicinal and Aromatic Plants				0			0	0
Nursery management				0			0	0
Production and management technology		<u> </u>	<u> </u>	0	<u> </u>	<u> </u>	0	0
Post harvest technology and value addition			-	0		_	0	0
III Soil Health and Fertility Management				0			0	0
Soil fertility management	1	45		45	5		5	50
Soil and Water Conservation Integrated Nutrient Management				0			0	0
Production and use of organic inputs		1		0			0	0
Management of Problematic soils Micro nutrient deficiency in crops	1	19	12	31	17	2	0 19	0 50
Nutrient Use Efficiency	1	19	12	0	1/		0	0
Soil and Water Testing	1	38		38	12		12	50
IV Livestock Production and Management				0			0	0
Dairy Management	1	18	32	50			0	50
Poultry Management				0			0	0
Piggery Management				0			0	0
Rabbit Management/goat				0			0	0
Disease Management	1	18	32	50			0	50
Feed management	1	35	15	50		l	0	50

Draduation of quality animal products	1	10	22	ΓO			٥	F0
Production of quality animal products V Home Science/Women empowerment	1	18	32	50 0			0	50 0
Household food security by kitchen gardening and nutrition				U			U	U
gardening				0			0	0
Design and development of low/minimum cost diet	1		42	42		8	8	50
Designing and development for high nutrient efficiency diet				0			0	0
Minimization of nutrient loss in processing	1		48	48		2	2	50
Gender mainstreaming through SHGs	-		70	0			0	0
Storage loss minimization techniques				0			0	0
Value addition	2		97	97		3	3	100
Income generation activities for empowerment of								
rural Women				0		_	0	0
Location specific drudgery reduction technologies	1		45	45		5	5 5	50
Rural Crafts Women and child care	1		45 45	45 45		5 5	5	50 50
VI Agril. Engineering	-		43	0			0	0
Installation and maintenance of micro irrigation								
systems	1	50		50			0	50
Use of Plastics in farming practices	2	83	17	100			0	100
Production of small tools and implements	1	47		47	3		3	50
Repair and maintenance of farm machinery and	1	47		47	3		2	50
implements Small scale processing and value addition	1	47		47 0	3		3	50 0
Post Harvest Technology				0			0	0
VII Plant Protection				0			0	0
Integrated Pest Management	5	150	84	234	10	6	16	250
Integrated Disease Management	2	70	26	96	4	0	4	100
Bio-control of pests and diseases	1	50		50			0	50
Production of bio control agents and bio pesticides				0			0	0
VIII Fisheries				0			0	0
Integrated fish farming	1 1	50 25	25	50 50			0	50 50
Carp breeding and hatchery management Carp fry and fingerling rearing	1	25	25	0			0	0
Composite fish culture	1	25	25	50			0	50
Hatchery management and culture of freshwater								
prawn				0			0	0
Breeding and culture of ornamental fishes				0			0	0
Portable plastic carp hatchery				0			0	0
Pen culture of fish and prawn	2	75	25	100			0	100
Shrimp farming	2	50	50	100			0	100
Edible oyster farming				0			0	0
Pearl culture	1	25	25	0			0	0
Fish processing and value addition IX Production of Inputs at site	1	25	25	50 0			0	50 0
Seed Production				0			0	0
Planting material production				0			0	0
Bio-agents production				0			0	0
Bio-pesticides production				0			0	0
Bio-fertilizer production				0			0	0
Vermi-compost production	ļ			0			0	0
Organic manures production				0			0	0
Production of fry and fingerlings Production of Bee-colonies and wax sheets				0			0	0
Small tools and implements				0			0	0
Production of livestock feed and fodder				0			0	0
Production of Fish feed				0			0	0
X Capacity Building and Group Dynamics				0			0	0
Leadership development	1	30	15	45	5		5	50
Group dynamics	1	47		47	3		3	50
Formation and Management of SHGs				0			0	0
Mobilization of social capital	1	30	15	45	3	2	5	50
Entrepreneurial development of farmers/youths	1	34	14	48	2		2	50
WTO and IPR issues XI Agro-forestry				0			0	0
Production technologies				0			0	0
Nursery management				0			0	0
Integrated Farming Systems				0			0	0
XII Others (Pl. Specify)				0			0	0
TOTAL	47	1394	822	2216	91	43	134	2350

C) Consolidated table (ON and OFF Campus)

	No. of			No.	of Partic			
Thematic Area	Courses		oters	T		SC/ST	T	Grand
(A) Farmage Q Farmage Manage	0	Male	Female	Total	Male	Female	Total	Total
(A) Farmers & Farm Women I Crop Production	0	0	0	0	0	0	0	0
•	1	35	6	41	7	2	9	50
Weed Management Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	2	53	10	63	9	3	12	75
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Water management	1	22	0	22	3	0	3	25
Seed production	1	30	15	45	5	0	5	50
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	1	20	0	20	5	0	5	25
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	2	58	10	68	7	0	7	75
II Horticulture	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0
Production of low volume and high value crops	2	75	0	75	0	0	0	75
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	1	25	0	25	0	0	0	25
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net	2		4.5			•	0	7.5
etc.)	2	60	15	75	0	0	0	75
b) Fruits	0	0	0	0	0	0	0	0
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	1	50	0	50	0	0	0	50
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	1	25	0	25	0	0	0	25
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants	0	0	0	0	0	0	0	0
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0
Production and Management technology	2	75	0	75	0	0	0	75
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management	0	0	0	0	0	0	0	0
Soil fertility management	1	45	0	45	5	0	5	50
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	1	23	0	23	2	0	2	25
Production and use of organic inputs Management of Problematic soils	0	0	0	0	0	0	0	0
Management of Problematic soils		19					10	0
Micro nutrient deficiency in crops	1	23	12 0	31 23	17 2	2	19 2	50 25
Nutrient Use Efficiency	Ι Ι	23	L U	23		0	2	25

Soil and Mater Testing	1	20	0	20	12	0	12	Γ0
Soil and Water Testing IV Livestock Production and Management	0	38	0	38	12 0	0	12	50 0
Dairy Management	2	28	47	75	0	0	0	75
Poultry Management	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	1	18	32	50	0	0	0	50
Feed management	3	45	50	95	0	0	0	95
Production of quality animal products	1	18	32	50	0	0	0	50
V Home Science/Women empowerment	0	0	0	0	0	0	0	0
Household food security by kitchen gardening		Ŭ			Ū		J	
and nutrition gardening	0	0	0	0	0	0	0	0
Design and development of low/minimum cost								
diet	1	0	42	42	0	8	8	50
Designing and development for high nutrient								
efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	2	0	73	73	0	2	2	75
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	4	0	142	142	0	8	8	150
Income generation activities for empowerment								
of rural Women	1	0	17	17	0	8	8	25
Location specific drudgery reduction								
technologies	1	0	45	45	0	5	5	50
Rural Crafts	1	0	45	45	0	5	5	50
Women and child care	1	0	45	45	0	5	5	50
VI Agril. Engineering	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation								
systems	2	73	0	73	2	0	2	75
Use of Plastics in farming practices	3	105	17	122	3	0	3	125
Production of small tools and implements	1	47	0	47	3	0	3	50
Repair and maintenance of farm machinery and								
implements	1	47	0	47	3	0	3	50
Small scale processing and value addition	2	62	10	25	3	0	0	25
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection	0	0	0	0	0	0	0	0
Integrated Pest Management	7	197	84	281	13	6	19	300
Integrated Disease Management	4	120	26	146	4	0	4	150
Bio-control of pests and diseases	1	50	0	50	0	0	0	50
Production of bio control agents and bio			•			•		
pesticides	0	0	0	0	0	0	0	0
VIII Fisheries	0	0	0	0	0	0	0	0
Integrated fish farming	2	65	10	75	0	0	0	75
Carp breeding and hatchery management	0	42 0	33	75	0	0	0	75
Carp fry and fingerling rearing Composite fish culture	2	40	0 35	75	0	0	0	75
		40	33	/5	U	U	U	/5
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	2	75	25	100	0	0	0	100
Shrimp farming	2	50	50	100	0	0	0	100
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	2	40	35	75	0	0	0	75
IX Production of Inputs at site	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0
		U	U	U	U	U	U	U

	I	1				ı		
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0
Leadership development	2	52	15	67	8	0	8	75
Group dynamics	1	47	0	47	3	0	3	50
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Mobilization of social capital	2	48	20	68	5	2	7	75
Entrepreneurial development of farmers/youths	3	81	14	95	5	0	5	100
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
					•			
TOTAL	80	1979	1012	2991	123	56	179	3170
(B) RURAL YOUTH	0	0	0	0	0	0	0	0
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	2	22	17	39	1	0	1	40
Integrated Farming (Medicinal)				0			0	0
Planting material production				0			0	0
Vermi-culture	1	19	0	19	1	0	1	20
Sericulture				0			0	0
Protected cultivation of vegetable crops				0			0	0
Commercial fruit production				0			0	0
Repair and maintenance of farm machinery and								
implements	1	14	0	14	1	0	1	15
Nursery Management of Horticulture crops			_	0			0	0
Training and pruning of orchards				0			0	0
Value addition	2	0	44	44	0	6	6	50
Production of quality animal products				0			0	0
Dairying				0			0	0
Sheep and goat rearing				0			0	0
Quail farming							0	0
				0			0	0
Piggery Robbit forming				0			0	0
Rabbit farming								
Poultry production		42		0			0	0
Ornamental fisheries	1	13	7	20	0	0	0	20
Para vets				0			0	0
Para extension workers				0			0	0
Composite fish culture				0			0	0
Freshwater prawn culture				0			0	0
Shrimp farming				0			0	0
Pearl culture				0			0	0
Cold water fisheries				0			0	0
Fish harvest and processing technology				0			0	0
Fry and fingerling rearing				0			0	0
Small scale processing				0			0	0
Post Harvest Technology				0			0	0
Tailoring and Stitching				0			0	0
Rural Crafts				0			0	0
TOTAL	7	68	68	136	3	6	9	145
(C) Extension Personnel								
Productivity enhancement in field crops	1	30	5	35	5	0	5	40
Integrated Pest Management	1	30	5	35	5	0	5	40
Integrated Nutrient management		30	,	0			0	0
Rejuvenation of old orchards				0			0	0
•	1	20	Е	35		0	5	
Protected cultivation technology	L T	30	5	35	5	0	5	40

Formation and Management of SHGs				0			0	0
Group Dynamics and farmers organization				0			0	0
Information networking among farmers				0			0	0
Capacity building for ICT application				0			0	0
Care and maintenance of farm machinery and								
implements				0			0	0
WTO and IPR issues				0			0	0
Management in farm animals				0			0	0
Livestock feed and fodder production				0			0	0
Household food security				0			0	0
Women and Child care				0			0	0
Low cost and nutrient efficient diet designing				0			0	0
Production and use of organic inputs				0			0	0
Gender mainstreaming through SHGs				0			0	0
Any other (Pl. Specify)				0			0	0
TOTAL	3	90	15	105	15	0	15	120
G. Total	90	2137	1095	3232	141	62	203	3435

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

	No. of		Farmers		Ex	ctension Offic	ials		Total	
Nature of Extension Activity	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	188	32	220	60	43	103	248	75	323
Kisan Mela	1	1000	250	1250	200	50	250	1200	300	1500
Kisan Ghosthi	12	350	150	500	210	110	320	560	260	820
Exhibition	20	5690	1060	6750	2150	920	3070	7840	1980	9820
Film Show	104	2230	330	2560	840	290	1130	3070	620	3690
Method demonstration	5	30	10	40	20	10	30	50	20	70
Farmers Seminar	3	140	0	140	50	0	50	190	0	190
Workshop	1	200	100	300	100	80	180	300	180	480
Group meetings	10	100	30	130	40	30	70	140	60	200
Lectures delivered as resource persons	50	9660	1620	11280	3650	1400	5050	13310	3020	16330
Newspaper coverage	5	0	0	0	0	0	0	0	0	0
Radio talks	0	0	0	0	0	0	0	0	0	0
TV talks	0	0	0	0	0	0	0	0	0	0
Popular articles	3	0	20	20	0	20	20	0	40	40
Extension Literature	10	3560	150	3710	1350	130	1480	4910	280	5190
Advisory Services	15	120	10	130	50	10	60	170	20	190
Scientific visit to farmers field	100	370	20	390	140	10	150	510	30	540
Farmers visit to KVK	100	390	60	450	150	50	200	540	110	650
Diagnostic visits	10	50	10	60	20	10	30	70	20	90
Exposure visits	2	60	0	60	30	0	30	90	0	90
Ex-trainees Sammelan	1	25	6	31	8	4	12	33	10	43
Soil health Camp	1	130	10	140	50	10	60	180	20	200
Animal Health Camp	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	1	2700	10010	12710	1020	40	1060	3720	10050	13770
Soil test campaigns	1	110	10	120	40	10	50	150	20	170
Farm Science Club Conveners meet	2	100	10	110	40	10	50	140	20	160
Self Help Group Conveners meetings	3	40	20	60	20	20	40	60	40	100
Mahila Mandals Conveners meetings	6	10	50	60	10	40	50	20	90	110

Pre Rabi workshop	7	250	40	290	100	30 10	130	350 270	70	420
PPVFRA workshop Any Other (Specify)	4 5	190 220	10 20	200 240	80 90	10 10	90 100	270 310	20 30	290 340
Total	506	28183	14098	42281	10628	3397	14025	38811	17495	56306

3.5 Target for Production and supply of Technological products SEED MATERIALS

SI. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	GW-496	3
OILSEEDS	Groundnut	GG-20	3
PULSES	Green gram	GM-4	4
VEGETABLES			
OTHERS (Specify)	Papaya	Madhubindu	0.05

PLANTING MATERIALS

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

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Beauveria			
2	NPV			

LIVESTOCK

Sl. No.	Туре	Breed	Qua	intity
			(Nos)	Unit
Cattle				
GOAT SHEEP				
SHEEP				
POULTRY				
POULTRY Pig farming				
FISHERIES				

2.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : Number of copies to be published :

/D\ i	:+	40.00	/	published
ו וחו				

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	3
3	News letters	1
4	Training manual all discipline	14
5	Popular article	6
6	Extension literature	3
	Total	

(C) Details of Electronic Media to be Produced

S. No.	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

Sl. 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	500	500	15	
Water	10	10	5	
Plant				
Total				

4. LINKAGE

4.1 Functional linkage with different organizations

4.1 Sr.	Name of organization		Nature of linkage
Α	Statecorporation and state deptt.	1	
1	District AgriculturalOfficer, Deptt. of Agriculture, District Panchayat, Jamnagar	>	Joint diagnostic teamvisit at farmers field
2	District Rural Development Agency, Jamnagar	>	Organizing collaborative trainingto
3	Deputy Director of Veterinary, Department of veterinary & Animal Husbandry, Jamnagar	>	farmers For collaborative off campus
4	Deputy Director of Horticulture, Jamnagar	<i>\rightarrow</i>	training For collaborative training and
5	Deputy Director of Agriculture (Training), Farmer Training Centre, Jamnagar	>	demonstration Programme Collaborative on
6	Deputy Director of Agriculture (Extension), Jamnagar		campustrainingprogramme
7	Asstt. Director of Fisheries, Jamnagar	>	For providing hostel facilitiesto
8	Range Forest Officer, Jamnagar		participants and organizing
9	Asstt. Director of GLDC, Jamnagar		collaborative Mahila Krishi Mela
10	Estate Engineer, Department of Irrigation, Jamnagar		
11	All Taluka Development Officers, and their team at Taluka level		
12	Rajkot-Jamnagar Gramin Bank, Jamnagar		
13	Project Director, ATMA, Jamnagar		
14	Project Director, DWDU, Jamnagar		
В	PrivateCorporation		
1	Territory Manager, GSFC, Jamnagar		Imparttraining on Agril. aspects
2	Territory Manager, GNFC, Jamnagar		Collaborative on/off campus
3	Territory Manager, IFFCO, Jamnagar	_	training programme
4	Reliance Industries, Dept. of Green Belt, Jamnagar		Sponsor training programme
С	NGOs		
1	Murlidhar Trust, Opp. Trajitpara Branch School, Bhanvad	>	Imparttraining on Agril. aspects
2	V.D.R.F. Trust, Momai Xerox, B.P. Road, Bhanvad	>	Collaborative on/off campus
3	Late J.V. Nariya Educational and Charitable Trust, 49, Modern Market, First Floor, Nr. Amber Cinema		training programme
4	Jay Ashapura Charitable Society, Madhav Nivas, Karmachari Society, Trikonban, Dhrol (DistJamnagar)		
5	Shekhpat Jalstrav Vikas Mandal, AtShekhpat, Post-Aliyabada, Ta.&Dist Jamnagar		
6	Lakhtar Jalstrav Gram Vikas Trust, 55, Shiv Complex, At Bhadra (Patiya), TaJodia, Dist Jamnagar		
7	Umiya Mataji Mandir Trust, At Sidsar, TaJamjodhpur, DistJamnagar		

8	Shardapith Education Trust, 104-Shrusti complex, Nr. Gurudwara, Jamnagar
9	Chachara Education & Charitable Trust, 104- Shrusti complex, Nr. Gurudwara, Jamnagar
10	Tata Chemical Society for Rural Development Foundation, At. Mithapur, TaDwarka, DistJamnagar
11	Agakhan Rural Development Trust

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district (Yes/No) :- Yes

S. No.	Programme	Nature of linkage	Remarks
1	District Level Training	Impart Training on Agricultural Aspects	Celeberate Technology week Arrangement of Krishi Mela
2.	Block level training	Lecture delivered	
3.	Village level training	Lecture delivered	

4.3 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	-	-	District is not inovolve in NHM

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1.	-	-	-

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	As per requirement	
2		
3		
4		
	Total	

6.0 Convergence with departments :

- ➤ ATMA
- ➤ DWDU
- > DAO
- DRDA

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	n (On Campus) Title of the training programme	Duration in days		lumber articipa		Num	ber of So	C/ST	G. Total
			4476	M	F	Т	М	F	Т	1000
Crop Producti		1	1		1	T	1	1		1
Quarter-1 st	PF/FW	Production technology of major <i>kharif</i> crops(Pigeon pea,Green gram,Groundnut,Cotton)	2	23	0	23	2	0	2	25
Quarter-2 nd	PF/FW	Water management through micro irrigation system	2	22	0	22	3	0	3	25
Quarter – 3 rd	PF/FW	Organic Farming	2	23	0	23	2	0	2	25
Horticulture	,	5 0 5 5								
Quarter-1st	PF/FW	Production technology of vegetable crops	3	25	0	25	0	0	0	25
Quarter-2 nd	PF/FW	Water management through MIS in horticultural crops	3	25	0	25	0	0	0	25
Quarter – 3 rd	PF/FW	Organic farming in horticulture	3	25	0	25	0	25	0	25
Quarter – 3 rd	PF/FW	Production & Management practices of spices (cumin & coriander)	3	25	0	25	0	25	0	25
Quarter-4 th	PF/FW	Protected cultivation (Green House, shed net etc.)	3	25	0	25	0	25	0	25
Livestock prod	d.									
Quarter-2 nd	PF/FW	Scientific approach towards increase milk production	3	10	15	25	0	0	0	25
Quarter – 3 rd	PF/FW	Animal Nutrition and feed management	3	10	15	25	0	0	0	25
Quarter-4 th	PF/FW	Animal Nutrition and feed management	3	0	25	25	0	0	0	25
Agril. Engg.	1									
Quarter-2 nd	PF/FW	Use of MIS in field crops	3	23	0	23	2	0	2	25
Quarter – 3 rd	PF/FW	Use of plastics mulch in farming practices	3	22	0	22	3	0	3	25
Quarter – 3 rd	PF/FW	Food processing and value addition	3	15	10	25	0	0	0	25
Home Sc.	1	1	1		1	1	1	1		
Quarter-1 st	PF/FW	Value addition in mango	2	0	20	20	0	5	5	25
Quarter-2 nd	PF/FW	Women empowerment through income generation activity	2	0	17	17	0	8	8	25
Quarter– 3 rd	PF/FW	Value addition in fruits and vegetables through jam, jelly, catchup, pickles, etc.	3	0	25	25	0	0	0	25
Quarter-4 th	PF/FW	Minimization of nutrient loss in processing	3	0	25	25	0	0	0	25
Plan prot.										
Quarter-1st	PF/FW	IPM in vegetable and summer crops	2	22	0	22	3	0	3	25
Quarter-2 nd	PF/FW	IPM and IDM in vegetable and field crops	2	25	0	25	0	0	0	25
Quarter– 3 rd	PF/FW	IPM and IDM in rabi crops	3	25	0	25	0	0	0	25
Quarter-4 th	PF/FW	Integrated pest management in fruit and vegetable crops	3	25	0	25	0	0	0	25
Fisheries	1	1	1		1	T	1	1		1
Quarter-1 st	PF/FW	Value addition through Crab fattening	3	15	10	25	0	0	0	25
Quarter-2 nd	PF/FW	To create awareness about environment protection among fishermen	3	17	8	25	0	0	0	25
Quarter– 3 rd	PF/FW	Importance of composite fish culture of Indian Major Carp and Exotic Crap Spp.	3	15	10	25	0	0	0	25
Quarter-4 th	PF/FW	Development of Small Scale ornamental fish hatchery	3	25	0	25	0	0	0	25
Soil Health	1									
Quarter-1st	PF/FW	Integrated nutrient management	2	23	0	23	2	0	2	25
Quarter– 3 rd	PF/FW	Importance of major and micro nutrient in crops production	2	23	0	23	2	0	2	25
		sion Education			ı	ı	1	1	1	T
Quarter-1 st	PF/FW	Use of Information &Commu. Technology in agriculture	3	22	0	22	3	0	3	25
Quarter-2 nd	PF/FW	Agro tourism - A new concept of modern agriculture	3	18	5	23	2	0	2	25
Quarter – 3 rd	PF/FW	Entrepreneurial Development of	3	25	0	25	0	0	0	25

		Farmers/rural youth								
Quarter-4 th	PF/FW	Market led extension	3	22	0	22	3	0	3	25

i) Farmers & Farm women (Off Campus)

i) Farmers &			1	n No. of participants Number					_	
Date	Clientele	Title of the training programme	Duration in days	No.	of partic	ipants T	Num M	ber of SO	C/ST T	G. Total
Crop Production	on		III uays	IVI	F		IVI	F	'	Total
Quarter-1 st	PF/FW	Importance of Organic manure and bio	1	35	10	45	5	0	5	50
		fertilizers for crop production								
Quarter-2 nd	PF/FW	Techniques of weed management in	1	35	6	41	7	2	9	50
		Groundnut, Cotton								
Quarter – 3 rd	PF/FW	Crop production technology of Gram,	1	30	10	40	7	3	10	50
		Wheat, Cumin								
Quarter-4 th	PF/FW	Production technologies of Sesamum,	1	30	15	45	5	0	5	50
		Green gram, Groundnut								
Horticulture		or comprant, or canana	ı		l .					
Quarter-1st	PF/FW	Production technology of vegetable	1	50	0	50	0	0	0	50
		crops								
Quarter-2 nd	PF/FW	Weed management techniques in	1	50	0	50	0	0	0	50
		horticultural crops								
Quarter – 3 rd	PF/FW	Production & Management practices of	1	50	0	50	0	0	0	50
		spices (cumin & coriander)								
Quarter-4 th	PF/FW	Protective cultivation (Green House,	1	35	15	50	0	0	0	50
		shed net etc.)								
Live Stock Proc	duction.	,	1	1	1			l		
Quarter-1 st	PF/FW	Animal Nutrition and feed	1	35	15	50	0	0	0	50
		management								
Quarter-1 st	PF/FW	Higher milk production by improving of	1	18	32	50	0	0	0	50
		breed, nutrition and feed management								
Quarter-2 nd	PF/FW	Animal health: Important diseases and	1	18	32	50	0	0	0	50
		its remedies								
Quarter – 3 rd	PF/FW	Higher milk production by improving of	1	18	32	50	0	0	0	50
		breed, nutrition and feed management								
Agril. Engg.	•									
Quarter-1 st	PF/FW	Use of Plastick mulch in farming	1	33	17	50	0	0	0	50
		practices								
Quarter-2 nd	PF/FW	Installation, maintenance and	1	50	0	50	0	0	0	50
		fertigation through MIS								
Quarter – 3 rd	PF/FW	Use of plastics mulch MIS in farming	1	50	0	50	0	0	0 0	50
		practices								
Quarter – 3 rd	PF/FW	Repairs and maintenance of farm	1	48	0	48	0	0	0	48
		implements								
Quarter-4 th	PF/FW	Operation and maintenance of farm	1	47	0	47	3	0	3	50
		implements								
Home Sc.	T	-							1 -	
Quarter-1 st	PF/FW	Importance of nutrition and balance	1	0	42	42	0	8	8	50
		diet					_	_		
Quarter-1 st	PF/FW	Use of Solar cooker	1	0	48	48	0	2	2	50
Quarter-2 nd	PF/FW	Women and child care	1	0	45	45	0	5	5	50
Quarter-2 nd	PF/FW	Location specific drudgery reduction	1	0	45	45	0	5	5	50
	.	technologies								
Quarter – 3 rd	PF/FW	Rural crafts	1	0	45	45	0	5	5	50
Quarter – 3 rd	PF/FW	Nutitional importance of aonla and its	1	0	47	47	0	3	3	50
		value addition							1	
Quarter-4 th	PF/FW	Value addition in fruit and vegetable	1	0	50	50	0	0	0	50
Plant Protectio		T.,	1 4	2.4	1 44	40	2	_	1 2	
Quarter-1 st	PF/FW	Management of pink bollworm in	1	34	14	48	2	0	2	50
0 6**	DE /Ev.	cotton		25	1.5	4-	_	_	 -	
Quarter-1 st	PF/FW	Integrated pest and disease	1	33	12	45	3	2	5	50

		management in summer crops								
Quarter-2 nd	PF/FW	Management of store grain pests	1	28	18	46	2	2	4	50
Quarter-2 nd	PF/FW	Management of diseases in kharifcrops	1	35	13	48	2	0	2	50
Quarter – 3 rd	PF/FW	Integrated Disease and pest management in cumin and gram	1	30	15	45	3	2	5	50
Quarter – 3 rd	PF/FW	IPM in vegetable crops: onion & garlic	1	25	25	50	0	0	0	50
Quarter-4 th	PF/FW	Integrated diseases management in rabi crops	1	35	13	48	2	0	2	50
Quarter-4 th	PF/FW	Non Chemical methods of pest management	1	50	0	50	0	0	0	50
Fisheries										
Quarter-1 st	PF/FW	Importance and Techniques of Cage Culture and Pen culture	1	40	10	50	0	0	0	50
Quarter-1 st	PF/FW	Mix culture of Carp spp. with fresh water prawn.	1	25	25	50	0	0	0	50
Quarter-2 nd	PF/FW	Fishing technology for Ghol and Dhara Spp.	1	25	25	50	0	0	0	50
Quarter-2 nd	PF/FW	Create awareness about environment protection among fishermen	1	50	0	50	0	0	0	50
Quarter – 3 rd	PF/FW	Use of waste land in shrimp farming	1	25	25	50	0	0	0	50
Quarter – 3 rd	PF/FW	Importance of composite fish culture of Indian Major Carp and Exotic Carp Spp.	1	25	25	50	0	0	0	50
Quarter-4 th	PF/FW	Skill development for value addition in fisheries sector	1	25	25	50	0	0	0	50
Quarter-4 th	PF/FW	Importance and techniques for cage culture and pen culture	1	35	15	50	0	0	0	50
Soil health	1					•			1	
Quarter-1 st	PF/FW	Soil sampling methods and Awareness about the soil health card	1	38	0	38	12	0	12	50
Quarter-2 nd	PF/FW	Importance of micronutrient in crop production	1	19	12	31	17	2	19	50
Quarter – 3 rd	PF/FW	Importance of crop residue and their recycling	1	45	0	45	5	0	5	50
Capacity building	ng/Extensio					l .	1		1	
Quarter-1 st	PF/FW	Entrepreneurial Development of farmers/rural youth	1	34	14	48	2	0	2	50
Quarter-2 nd	PF/FW	Use of ICT for Agril. Development	1	30	15	45	3	2	5	50
Quarter – 3 rd	PF/FW	New Horizons of Agro-tourism	1	47	0	47	3	0	3	50
Quarter-4 th	PF/FW	Market led extension	1	30	15	45	5	0	5	50

ii) Vocational training programmes for Rural Youth

Crop /	Identified Thrust Area	Training title*	Mont	Duratio n (days)	No. of Participants			SC/ST participants			G.Total
Enterprise			h	ii (uays)	Μ	F	T	М	F	T	
Fruit & Vegetable	Value addition	Preservation of vegetables and fruits	Nov	4	0	22	22	0	3	3	25
Fruit & Vegetable	Value addition	Preservation of mango	May	4	0	22	22	0	3	3	25
Organic matter	Self employment	Production of varmi compost	Sept	1	19	0	19	1	0	1	20
Organic matter	Self employment	Preparation of NADEP compost pit	Feb	1	12	7	19	1	0	1	20
Farm implement	Selt employment	Repairs and maintenance of tractor and farm implements	June	4	14	0	14	1	0	1	15
Ornamenta I Fish	Self employment	Preparation and maintenance of Aquarium	July	4	13	7	20	0	0	0	20
Sea weed	Organic fertilizer	Preparation of sea weed fertilizer	Dec	4	10	10	20	0	0	0	20

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants		Nu	G. Total			
				М	F	T	М	F	Т	
On Campus										
Quarter- 1	Extension functionaries	Pre-seasonal training on kharif	1	30	5	35	5	0	5	40
		crops(Pigeon pea,Green								
		gram,Groundnut,Cotton)								
Quarter- 2	Extension functionaries	Integrated Pest and Disease	1	30	5	35	5	0	5	40
		management in <i>Kharif</i> crops								
Quarter-3	Extension functionaries	Crop production technology in	1	30	5	35	5	0	5	40
		Cumin, Gram, Wheat, Onien, Garlic								

iv) Sponsored programme

Discipline	ipline Sponsoring Clientele Title of the training programme No.		No. of course	No. o	f partic	ipants	N	G. Total			
					М	F	T	М	SC/S	T	
a) Sponso	red training progdi	amme									
AEG	ATMA	PF	Importance of MIS	2	80	0	80	20	0	20	100
PLP	ATMA	PF	Kharif crop protection and	3	100	40	140	10	10	20	160
			production technology								
SFM, AEG	AGAKHAN	PF	INM and MIS in rabi crops	2	50	50	100	5	5	10	110
PLP	DAO	PF	Integrated pest and diseases	1	60	0	60	0	0	0	60
			management in cumin								
PLP	ATMA	PF	IPM & IDM in groundnut,	1	55	0	55	5	0	5	60
			cotton crops								
PLP	DAO	PF	IPM, IDM, INM in groudnnut	1	55	0	55	5	0	5	60
			and cotton								
PLP	ATMA	PF	IPM & IDM in kharif crop	1	55	0	55	5	0	5	60
PLP	Dy.D.Hort.	PF	IPM, IDM, INM in	1	55	0	55	5	0	5	60
			Horticultural Crops								
PLP	ATMA	PF	IPM, IDM, INM in	1	55	0	55	5	0	5	60
			Horticultural Crops								
PLP	DWDU	PF	IPM & IDM in kharif crop	1	55	0	55	5	0	5	60
PLP, CP	ATMA	PF	Seed Production technology	1	55	0	55	5	0	5	60
			and IPM in these crops								
PLP	ATMA	PF	Storage Techniques and IPM	1	0	55	55	0	5	5	60
			in summer crops								
			Total	16	675	145	820	70	20	90	910
b) Sponso	red research progr	amme			1						
c) Any sp	ecial programmes		Total		l						
c) Ally spi	eciai programmes										
			Total								