

# **ACTION PLAN**

**1<sup>ST</sup> APRIL-2017 TO 31<sup>ST</sup> MARCH-2018**



**KRISHI VIGYAN KENDRA  
SAMODA-GANWADA  
TA.SIDHPUR, DIST.PATAN  
PINCODE-384151 (GUJRAT)**

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# ACTION PLAN -2017-18

(1<sup>st</sup> April 2017 to 31<sup>st</sup> March 2018)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Saraswati Gram Vidhyapith Samoda-Ganwada Ta.Sidhpur, Dist. Patan, Gujarat, Pincode-384151	02767 285528	02767 285528	kvksamoda@yahoo.com	www.sgvpngo.org

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

Address	Telephone		E mail	Website
	Office	FAX		
Saraswati Gram Vidhyapith Samoda-Ganwada Ta.Sidhpur, Dist. Patan, Gujarat, Pincode-384151	02767 285199	02767 285528	kvksamoda@yahoo.com	www.sgvpngo.org

1.2.b. Status of KVK website : Yes      Date of Status 6/9/2006

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





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







### 1.3. Name of the Senior Scientist & Head with phone & mobile no.







Name	Telephone / Contact		
	Office	Mobile	Email
Dr.Upesh Kumar Senior Scientist and Head Krishi Vigyan Kendra, Saraswati Gram Vidhyapith Samoda-Ganwada Ta.Sidhpur, Dist. Patan, Gujarat Pincode-384151	02767-285528	9425661514 9687913860	kvksamoda@yahoo.com

1.4. Year of sanction:      1993

**1.5. Staff Position (as on 30 Nov. -2016)**

Sr. 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.Upesh kumar	Senior Scientist & Head	Pl. Pathology	PB-4 37,400-67000	9000/-	46400/-	1/10/16	-	Other	9425661514	<a href="mailto:upeshkvk@gmail.com">upeshkvk@gmail.com</a>	
2.	Subject Matter Specialist	Shri G.A.Patel	S.M.S.	Plant Protection	PB-3 15600-39100	5400/-	35910/-	6/5/93	Permanent	Other	9879924655	<a href="mailto:kvksamoda@yahoo.com">kvksamoda@yahoo.com</a>	
3.	Subject Matter Specialist	Shri H.P..Patel	S.M.S.	Extension Education	PB-3 15600-39100	5400/-	35910/-	8/5/93	Permanent	Other	9426521484	<a href="mailto:kvksamoda@yahoo.com">kvksamoda@yahoo.com</a>	
4.	Subject Matter Specialist	Smt. H.B.Patel	S.M.S.	Home Science	PB-3 15600-39100	5400/-	30260/-	19/8/02	Permanent	Other	9909497009	<a href="mailto:hinapatelsci@gmail.com">hinapatelsci@gmail.com</a>	

5.	Subject Matter Specialist	Shri.S.S. Darji	S.M.S.	Horticulture	PB-3 15600-39100	5400/-	23640/-	2/4/12	Permanent	OBC	9909941995	<a href="mailto:Sachinkumar.darji@gmail.com">Sachinkumar.darji@gmail.com</a>	
6.	Subject Matter Specialist	Shri R.P. Chaudhari	S.M.S.	Agronomy	PB-3 15600-39100	5400/-	21630/-	16/4/15	Permanent	OBC	9737391689	<a href="mailto:rp.agri14@gmail.com">rp.agri14@gmail.com</a>	
7.	Subject Matter Specialist	Dr. S.J.Patel	S.M.S.	Animal Science	PB-3 15600-39100	5400/-	21000/-	1/9/16	-	Other	9662654302	<a href="mailto:sanketpatel.vets@gmail.com">sanketpatel.vets@gmail.com</a>	
8.	Programme Assistant	Shri D.N.Patel	Farm Manager	-	PB-2 9300-34800	4200/-	24540/-	22/2/96	Permanent	Other	9825703608	-	
9.	Programme Assistant	Smt. J.N.Patel	Technical Assistant	-	PB-2 9300-34800	4200/-	24080/-	27/7/96	Permanent	Other	9909847367	-	
10	Computer Programmer	Shri D.R.Patel	Computer programmer	-	PB-2 9300-34800	4600/-	22460/-	1/9/02	Permanent	Other	9979161440	-	

11	Assistant (Accountant)	Shri N.B.Patel	Assistant	-	PB-2 9300- 34800	4600/-	25710/-	25/1/96	Permanent	Other	9714325839	.	
12	Stenographer	Shri J.K.Patel	Clerk cum Typist	-	PB-1 5200- 20200	2400/-	11960/-	1/9/02	Permanent	Other	9909301273	.	
13	Driver	Shri R.A.Patel	Jeep Driver	-	PB-1 5200- 20200	2000/-	9660/-	14/8/10	Permanent	Other	9727016216	-	
14	Supporting staff	Shri R.H.Desai	Supporting staff	-	PB-1 5200- 20200	1800/-	10930/-	14/5/93	Permanent	OBC	9879536469	-	
15	Supporting staff	Shri R.D.Thakor	I/C Tractor Driver	-	PB-1 5200- 20200	1800/-	10930/-	25/1/96	Permanent	OBC	9586532371	-	
16.	Supporting staff	Shri P.V.Senma	Supporting staff	-	PB-1 5200- 20200	1800/-	10930/-	25/1/96	Permanent	SC	9913298630	-	

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

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	2.00
3.	Under Crops	9.00
4.	Horticulture	5.00
5.	Pond	-
6.	Others if any – Un developed	3.00

### 1.7. Infrastructural Development:

#### A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area(Sq.m)	Status of construction
1.	Administrative Building	ICAR	1993	694	21,87,250=00	-	-	-
2.	Farmers Hostel	ICAR	1999-2000	308.82	12,37,848=11	-	-	-
3.	Staff Quarters (6)	ICAR	1996-97	731	16,89,512=74	-	-	-
4.	Demonstration Units (2) Nursery Net House	RKVY	2012-13	4,000	5,45,000=00	-	-	-
5	Fencing	ICAR	2001-02	-	2,99,902=00	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR	2006-07	262.89	2,68,039=00	-	-	-
8	Farm godown	ICAR	2006-07	44.89				
9	Implement shed	ICAR	2011-12	-	2,85,640=00	-	-	-
10	Other	-	-	-	-	-	-	-

#### B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	1992-93	1,82,910=00	-	Write off
Jeep	2009-10	7,60,236=00	164107	OK
Motorcycle	2010-11	49,695=00	49634	OK



## C) Equipments &amp; AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Camera	1994	1,600=00	OK
Slide Projector/ O.H.P.	1994	23,969=00	OK
Mega Phone	1994	2,140=00	OK
Type Writer	1994	30,675=00	OK
Litho machine	1994	10,925=00	OK
TV	1995	15,695=00	OK
Computer + Printer	2006	66,530=00	OK
Xerox machine	2006	58,000=00	OK
Stabilizer	2006	1,750=00	OK
LCD Projector	2007	54,326=92	OK
DVD Player	2007	3,846=16	OK
Laptop	2007	39,423=08	OK
Digital Camera	2007	19,903=84	OK
Digital Camera	2009	24,800=00	OK
P.A. System	2009	28,600=00	OK
Computer	2009	49,500=00	OK
Generator	2009	98,500=00	OK
Fax machine	2009	19,800=00	OK
Multicrop thresher	2011	1,46,000=00	OK
Rotary weeder	2011	51,450=00	OK
Power sprayer	2011	15,855=00	OK
Seed cum fertilizer drill	2011	27,250=00	OK
K-YAN	2013	76,650=00	OK
Oven	2014	7200=00	OK
Sewing Machine	2014	8700=00	OK

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

Sl.No.	Date
1.	Jan.-2018

**2. DETAILS OF DISTRICT****2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1.	Crop production with livestock raising (Mixed farming)
2.	Livestock raising only
3.	Poultry Farming.
4.	Cropping system predominant in district <ul style="list-style-type: none"> <li>- Mono cropping                      - Mix cropping</li> <li>- Inter cropping                      - Relay cropping</li> </ul>
5.	Vegetables & fruits cultivated area is very low & scattered

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

Sl. No.	Agro-climatic Zone	Characteristics
1.	Zone No.4 (Patan, Saraswati, Sidhpur and Chansama taluka)	<ul style="list-style-type: none"> <li>- Average rainfall is 610 mm.</li> <li>- Soil type is loamy, sandy, saline &amp; medium black.</li> <li>- Main crops- Cotton, Wheat, Castor, Cumin, Bajara &amp; Mustard, Fennel, Chilli, Carrot</li> </ul>
2.	Zone No.8 (Harij, Sami, Shankheswar, Radhanpur and Santalpur taluka)	<ul style="list-style-type: none"> <li>- Average rainfall is 500mm.</li> <li>- Soil type is loamy, sandy, saline and medium black.</li> <li>- Main Crops - Rainfed Cotton, Wheat, Gram, Dillseed, Mustard &amp; Cumin.</li> </ul>

**b) Topography**

Sr.No.	Agro-ecological	Soil texture	Rainfall (mm)	Special features	Principal crops	Taluka cover
1.	Alluvial sandy soil with low rainfall	Loamy sand to sandy loam	500-700	Low rainfall dry climate	Castor, Mustard, Bajra, Cotton, Sorghum	Sidhpur :89.56% Patan :79.9%
2.	Saline soil with low rainfall	Sandy loam saline soil	500-700	Low rainfall, dry climate, and absence of vegetative cover	Cotton, Castor, Bajra, Pulses	Chanasma : 78.64%
3.	Salt affected soil	Medium black saline soil	400-500	Low rainfall dry climate and absence of vegetative cover	Bajra, Sorghum, Cumin, Gram, Cotton	Harij : 65.45% Sami :84.32% Radhanpur : 81.54% Santalpur ; 90.98%

### 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1.	Heavy black soil	<ul style="list-style-type: none"> <li>- High Water holding capacity</li> <li>- Low permeability</li> <li>- Water logging condition</li> <li>- Fertile soil</li> </ul>	30400
2.	Medium black soil	<ul style="list-style-type: none"> <li>- Medium WHC</li> <li>- Medium permeability</li> <li>- Fertile soil</li> </ul>	334400
3.	Loamy soil	<ul style="list-style-type: none"> <li>- More retain water and nutrient than sandy soil and low retain water and nutrient than black soil</li> </ul>	213220
4.	Sandy soil	<ul style="list-style-type: none"> <li>- Low WHC</li> <li>- High permeability</li> </ul>	165424
5.	Saline soil	<ul style="list-style-type: none"> <li>- Salts accumulation on the soil surface</li> <li>- Water logging condition</li> <li>- Crack formation during Summer Season</li> </ul>	109535

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2015-16)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Bajra-Kharif	1065	577	5.42
2	Bajra-Summer	5745	15190	26.44
3	Cotton- Desi	18290	12157	6.64
	Hybrid	34900	31375.1	8.99
4	Castor	111980	180960	16.16
5	Mustard	29262	44420	15.18
6	Wheat	40180	137355	34.18
7	Pulses Gram	7180	3698	5.15
	Green-gram	894	407	4.55
	Black-gram	1789	850	4.75
8.	Cluster bean (Seed)	42085	25335	6.02
9.	Moth bean & cowpea	321	157	4.88
10.	Fruit- Lime	805	8533	106
	Pomegranate	553	6138	111
	Ber	344	3619	105.20
11.	Cumin	41177	37059	9.0
12.	Fennel	3339	7680	23.0
13.	Dilseed	3300	4785	14.50
14.	Potato	527	11705	222.1
15.	Vegetable-Cluster bean	683	7615	111.5
	Cow pea	495	4960	100.2

Source: District agriculture department. Patan

## 2.5. Weather data (2016-17)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April-16	-	36.28'	26.69'	-	
May-16	-	29.75'	42.40'	-	
June-16	08mm	29.44	40.53	-	
July-16	86mm	25.88	36.08	-	
August-16	150mm	20.62'	29.81'	-	
Sept.-16	-	21.24'	31.77'	-	
Oct.- 16	72mm	19.29'	30.46'	-	
Nov.- 16	-	17.06'	29.56'	-	
Dec.- 16	-	-	-	-	
Jan.-17	-	-	-	-	
Feb.-17	-	-	-	-	
March-17	-	-	-	-	

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

Category	Population	Production (kg./lactation)	Productivity
<b>Cattle</b>			
-Indigenous	123530	1104	3.68 kg./day
-Cross breed	7493	2520	8.40 kg./day
<b>Buffalo</b>	363514	1350	4.50 kg./day
<b>Sheep</b>	53750	-	-
<b>Goats</b>	102937	-	-
<b>Pigs</b>	131	-	-

Crossbred	-	-	-
Indigenous	-	-	-
<b>Rabbits</b>	185	-	-
<b>Poultry</b>	-	-	-
Hens	26210	7207750 egg./yr.	275 egg./bird/yr.
Desi	-	-	-
<b>Category</b>		<b>Production (Q.)</b>	<b>Productivity</b>
Fish (Reservoir)	-	-	-

Department of Animal Husbandry, Patan

## 2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the Village	Major crops & enterprises	Major problem identified	Identified thrust area
Sidhpur	<b>Patan</b>	Lavara, Norta, Khariwavadi, Multhaniya, Vamaiya, Mandlop	Castor Cotton Mustard Wheat Bajra Cumin Fennel Tobacco Carrot Pomogranate Kagzi lime Chilli	-Average productivity is low in major crop. -Leaf curl infestation in chilli -Low ground water table. -Soil productivity status is low -Problematic soil- Saline & Alkaline soil -Flower dropping in cotton -Pest & diseases intensity high-para wilt in cotton, termite in wheat, Blight in Cumin, Mealybug in Cotton, Semi-looper & prodenia in castor, and citrus canker & dieback in lime -Pink ball worm infestation in BT Cotton	-Average productivity of major crops is low -Micro irrigation system -Reclamation of problematic soil -Area under fruit & vegetable crop is very low -Scope & Importance of secondary agriculture -Average milk production per animal is low
Patan					
Chansma					
Sami					
Shankheshwar	<b>Radhanpur</b>	Upaliyasar, Urumana, Bhilot, Sadpura, Roda	Cumin Ajwain Gram  Guar  Castor  Wheat Dilseed Desi Cotton	-Less adoption of horticultural crops -Loss of food grains due to poor knowledge and storage facility -Average milk production per animal is low	-Farm mechanization -Women empowerment through income generation activities -No use of micronutrient in fruits & vegetable crop
Harij					
Radhanpur					
Santalpur					

## 2.8 Priority thrust areas

Crop/ Enterprise	Thrust area
Castor	Integrated pest management Integrated Disease management
Cotton	Integrated crop management Integrated Nutrient management Integrated pest Management
Mustard	Integrated crop management
Wheat	Integrated pest management Weed management
Cumin/ Fennel/Ajwain	Integrated Disease management Production & management technology
Chilli	Integrated nutrient management
Carrot	Post Harvest technology
Live-stock	Fodder management Improvement of local breed
Pomegranate and Lime	Integrated nutrient management Integrated pest & disease management
Home Science	<ul style="list-style-type: none"> <li>-Use of solar cooker</li> <li>-Fruits &amp; veg. preservation</li> <li>-Farm women empowerment through income generation activity</li> <li>-Drudgery reduction</li> </ul>



### 3. TECHNICAL PROGRAMME

#### 3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
11	95	115	380

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
67	1291	21	2450

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
11	207750	-	50

## 3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				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	Productivity of major crops is comparatively low	Cotton	-Para wilt -Sucking pest -Micro nutrient deficiency -Pink ball worm infestation	-Integrated crop management -Integrated nutrient management	Integrated Pest management	-Integrated nutrient management -Integrated pest & disease management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	-KNO <sub>3</sub> -Pheromane trap -Neem oil
		Castor	-Wilt & root rot disease incidence -Semi loopier -Jassid infestation	-	Varietal evaluation	-Integrated pest & disease management -Integrated crop management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	Seed
		Mustard	Deficiency of sulphur	Varietal evaluation	Integrated nutrient management	- Integrated crop management -Integrated nutrient management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	-Granular Sulphur
		Green-gram	Use of local variety	-	-Varietal evaluation -IPM -INM	Integrated crop management	Latest know how about agricultural technologies	-Training	-Seed -Pesticide

		Gram	Heliothis infestation	-	-IPM -INM -Varietal evaluation	Production technology management	Latest know how about agricultural technologies	-Training -Demonstration -FLD	-Seed - Pesticide -Micronutrients
		Ajwain	Use of Local variety	-	Varietal evaluation	Integrated crop management	Latest know how about agricultural technologies	-Training -Demonstration -FLD	Seed of Guj.Ajwain-2
		Chilli	-Leaf curl -Micro nutrient deficiency	Integrated crop management	Integrated nutrient management	-Integrated crop management -Integrated pest & disease management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	-Micro nutrient -Seedling
		Fennel	-Use of local variety -Sugary disease -Blight disease	-	- Integrated disease management -Varietal evaluation	-Integrated crop management - Integrated disease management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	-Seed -Fungicides
		Cumin	-Use of local variety -Wilt disease incidence	Integrated crop management	-Varietal evaluation - Integrated disease management	-Integrated crop management - Integrated disease management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	-Seed -Fungicides

		Wheat	-Use of local (GW-496) variety -Termite infestation -Sowing method -Inadequate irrigation water	-Resource conservation technology -Integrated pest management -Farm machinery	-Varietal evaluation - Integrated nutrient management	-Integrated crop management - Integrated pest & disease management -Integrated weed management	Latest know how about agricultural technologies	-Training -Demonstration -Field day	-Seed -Insecticide -Micronutrient -Soil conditioner
2.	Reclamation of problematic soil	-	Alkaline & Saline soil	-	-	Use of soil amendment for soil reclamation	Latest know how about agricultural technologies	Training	-
3.	Area & production under fruit & vegetable crops is low	Lime	Less fruit production in summer season -Gummosis & dieback disease incidence	-Integrated Disease Management	-	Scientific cultivation of fruit & vegetables crops	Latest know how about agricultural technologies	-Training -Demonstration	-Pesticide
4.	Requirement of secondary agriculture	-Grains -Fruits & vegetables	-Storage loss -Less market price of produce	-	-	-Value addition in fruits & vegetable -Post harvest technology -Scientific method for the storage of food grains	-Post harvest technology	Training	-

5.	Average milk production per animal is low	Live stock production	-Indigenous breed -Un awareness about fodder & concentrate -Infestation of external parasite	-Use of bypass fat for energy -Use of ivermectin for parasite control	-Use of concentrate poultry feed -Fodder management -Use of mineral mixture	-Selection of improved breeds -Fodder management for milch animals	Latest know how about live stock production management	-Training -Demonstration	-Seed of fodder -Mineral mixture -Poultry feeds
6.	Low income of landless agriculture labourers	Rural craft	-	-	-	-Women empowerment through income generation activities on agrobased homestead activities -Nursery raising	-	Training	-
7.	Labour availability less	Ag. Engineering	Scarcity of agricultural labour	-Use of farm implement	-	Scope & importance of farm machinery in agriculture	-	-Training -Demonstration	Wheel hoe (Farm implement)

### 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	-	01	-	-	-	-	-	-	-	01
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	01	01	-	-	-	-	02
Integrated Nutrient Management	-	-	-	01	-	-	-	-	-	01
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	01	-	-	-	-	-	-	-	01
Farm machineries	01	-	-	-	-	-	-	-	-	01
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	01	-	-	-	-	-	-	-	-	01
Integrated Disease Management	-	-	-	-	-	01	-	-	-	01
Resource conservation technology	01	-	-	-	-	-	-	-	-	01
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>03</b>	<b>02</b>	<b>-</b>	<b>02</b>	<b>01</b>	<b>01</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>09</b>

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

[illegible]

**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	01	-	-	-	-	-	-	01
Feed and Fodder	01	-	-	-	-	-	-	01
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
<b>TOTAL</b>	02	-	-	-	-	-	-	02

**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	-	-	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-	-	-



**B. Details of On Farm Trial**

	<b>OFT-1</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of nutrient management in BT Cotton.</b>
<b>II</b>	<b>Problem diagnose</b>	Low yield of BT cotton due to imbalance use of plant nutrient
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1- Fertilizer Dose : 160 – 200 kg. N2 + 100kg P2O5 per ha.  T2- Fertilizer Dose : 240kg. N2 + 40kg P2O5 per ha. + Three sprays of 3% KNO3 at flowering stage, Ball formation stage & Ball development stage
<b>IV</b>	<b>Source of Technology</b>	SDAU, S.K.Nagar
<b>V</b>	<b>Thematic Area</b>	INM
<b>VI</b>	<b>Performance indicator</b>	(1) Technical observation -No.of flower/plant -No.of ball/plant  (2) Economical parameters -Yield (qt./ha.) -Cost of critical inputs T1-7000 Rs./ha. T2-6110 Rs./ha. -BCR  (3) Farmers perceptive -Easily adoptable -Easily available
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-2</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of line sowing in wheat crop</b>
<b>II</b>	<b>Problem diagnose</b>	Practiced more seed rate
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1- Broad casting method of sowing with seed rate-160 kg./ha. T2- Line sowing method with seed rate-125 kg./ha.
<b>IV</b>	<b>Source of Technology</b>	SDAU, S.K.Nagar
<b>V</b>	<b>Thematic Area</b>	Farm mechanization
<b>VI</b>	<b>Performance indicator</b>	<p>(1) Technical observation</p> <ul style="list-style-type: none"> <li>-No.of tiller/plant</li> <li>-Taste weight</li> </ul> <p>(2) Economical parameters</p> <ul style="list-style-type: none"> <li>-Yield (qt./ha.)</li> <li>-Cost of critical inputs               <ul style="list-style-type: none"> <li>T1-4800 Rs./ha. (seed)</li> <li>T2-3750 Rs./ha.(seed)</li> <li>1000 Rs./ha. (drilling)</li> </ul> </li> <li>-BCR</li> </ul> <p>(3) Farmers perceptive</p> <ul style="list-style-type: none"> <li>-Easily available &amp; adoptable</li> </ul>
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-3</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of moisture conservation technology in wheat crop</b>
<b>II</b>	<b>Problem diagnose</b>	Low yield of wheat due to moisture stress condition at critical stage in wheat
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1 - No use of Soil conditioner (Pusa Hydrozel)  T2- Use of Soil conditioner (Pusa Hybrogel) @ 2.5 kg./ha. with basal fertilizer before sowing
<b>IV</b>	<b>Source of Technology</b>	IARI, New Delhi
<b>V</b>	<b>Thematic Area</b>	Soil & Moisture conservation
<b>VI</b>	<b>Performance indicator</b>	1) Technical observation - No. of irrigation (hrs) - Germination (%)  (2) Economical parameters - Yield (qt./ha.) - Cost of critical inputs T1- Nil T2- 3500 Rs./ha. (Pusa hydrogel) - BCR  (3) Farmers perceptive - Easily adoptable - Not easily available
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-4</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of improved variety of mustard crop</b>
<b>II</b>	<b>Problem diagnose</b>	Low yield of mustard crop due to use of old variety – GM-3
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1- Mustard variety – GM-2 & GM-3 T2 – Mustard variety – GDM-4
<b>IV</b>	<b>Source of Technology</b>	SDAU, S.K.Nagar & DRMR, Bharatpur
<b>V</b>	<b>Thematic Area</b>	Varietal evaluation
<b>VI</b>	<b>Performance indicator</b>	<p>1) Technical observation</p> <ul style="list-style-type: none"> <li>-No.of pod/plant</li> <li>-Test weight</li> <li>-Days of 50% flowering</li> </ul> <p>(2) Economical parameters</p> <ul style="list-style-type: none"> <li>-Yield (qt./ha.)</li> <li>-Cost of critical inputs - T1 &amp; T2 Same</li> <li>Seed 100Rs./kg.</li> <li>-BCR</li> </ul> <p>(3) Farmers perceptive</p> <ul style="list-style-type: none"> <li>-Easily adoptable</li> <li>-Easily available</li> </ul>
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-5</b>	
<b>I</b>	<b>Title</b>	<b>Management of Gummosis disease in Lime</b>
<b>II</b>	<b>Problem diagnose</b>	Low yield of lime fruits due to incidence of gummosis disease
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	<p>T1- Cutting of dry &amp; diseased twigs of the plants</p> <p>T2- Spraying of Fojetile AL 80%WDG @ 20 gm/15 lit. water immediately after the cutting of diseased dry twigs of the plants (2 sprays)</p>
<b>IV</b>	<b>Source of Technology</b>	CCRI, Nagpur
<b>V</b>	<b>Thematic Area</b>	IDM
<b>VI</b>	<b>Performance indicator</b>	<p>1) Technical observation -Incidence of gummosis (%)</p> <p>(2) Economical parameters -Fruit Yield (qt./ha.) -Cost of critical inputs T1- Nil T2-6000 Rs./ha. (Two sprays) -BCR</p> <p>(3) Farmers perceptive -Technology is Easily adoptable -Inputs are Easily available</p>
<b>VII</b>	<b>Replication</b>	<p>No.of farmers – 5</p> <p>No.of plants /farmers -5</p>

	<b>OFT-6</b>	
<b>I</b>	<b>Title</b>	Management of termite in wheat crop
<b>II</b>	<b>Problem diagnose</b>	Low yield of wheat due to infestation of termite
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	<p>T1- Seed treatment by Chlorpyriphos 20EC @ 200-250 ml./2.5 lit water / 100 kg. seed before sowing and no soil treatment</p> <p>T2-Seed treatment by Fipronil 5 SC @ 600 ml./ 5 lit water /100 kg seed before 8 hrs of sowing and soil treatment by Fipronil 5 SC @ 1.6 lit./ha. with 4<sup>th</sup> irrigation</p>
<b>IV</b>	<b>Source of Technology</b>	SDAU, S.K.Nagar
<b>V</b>	<b>Thematic Area</b>	IPM
<b>VI</b>	<b>Performance indicator</b>	<p>1) Technical observation -Termite infestation (%)</p> <p>(2) Economical parameters -Grain Yield (qt./ha.) -Cost of critical inputs T1-250 Rs. /ha. T2-2200 Rs./ha. -BCR</p> <p>(3) Farmers perceptive -Technology is Easily adoptable -Inputs are Easily available</p>
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-7</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of Intercropping of cumin + Ajwain for enhancing the net profit</b>
<b>II</b>	<b>Problem diagnose</b>	Low net profit of sole crop in cumin
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1- Sole crop in Cumin T2- Intercropping – Cumin + Ajwain (4:1)
<b>IV</b>	<b>Source of Technology</b>	SDAU, S.K.Nagar
<b>V</b>	<b>Thematic Area</b>	ICM
<b>VI</b>	<b>Performance indicator</b>	<p>(1) Technical observation</p> <p>-</p> <p>(2) Economical parameters</p> <p>-Grain Yield (qt./ha.)</p> <p>T1-Cumin yield (qt./ha.)</p> <p>T2-Cumin yield (qt./ha)</p> <p>Ajwain yield (qt./ha.)</p> <p>-Cost of critical inputs</p> <p>T1-4000 Rs./ha. Cumin seed</p> <p>T2-3250 Rs./ha. Cumin seed</p> <p>-100 Rs./ha. Ajwain seed</p> <p>-BCR</p> <p>(3) Farmers perceptive</p> <p>-Technology is Easily adoptable</p> <p>-Inputs are Easily available</p>
<b>VII</b>	<b>Replication</b>	No.of farmer-05

	<b>OFT-8</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of cropping system – Chilli – Cucurbit fruit for enhancing net profit</b>
<b>II</b>	<b>Problem diagnose</b>	Low profit of present cropping system – Chilli – Fallow
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1 – Chilli – Fallow T2 – Chilli – Cucurbit fruit
<b>IV</b>	<b>Source of Technology</b>	IARI, Bangalore
<b>V</b>	<b>Thematic Area</b>	Cropping system
<b>VI</b>	<b>Performance indicator</b>	<p>(1) Technical observation</p> <p>-</p> <p>(2) Economical parameters</p> <p>-Fruit Yield (qt./ha.)</p> <p>    T1-Chilli yield (qt./ha.)</p> <p>    T2-Chilli yield (qt./ha) + Cucurbit fruit yield (qt./ha.)</p> <p>-Cost of critical inputs</p> <p>    T1-Nil</p> <p>    T2-5000 Rs./ha. Cucurbit fruit seed</p> <p>-BCR</p> <p>(3) Farmers perceptive</p> <p>-Technology is Easily adoptable</p> <p>-Inputs are Easily available</p>
<b>VII</b>	<b>Replication</b>	No.of famrer-04



	<b>OFT-9</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of bypass fat (rumen protected fat) in diets of cross breed cows</b>
<b>II</b>	<b>Problem diagnose</b>	Low milk yield due to negative energy balance
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1- No use of any rumen protected fat in diets of cross breed cows T2 - Use of bypass fats (100 gm/day/animal) in diets of cross breed cows
<b>IV</b>	<b>Source of Technology</b>	IVRI
<b>V</b>	<b>Thematic Area</b>	Feed management
<b>VI</b>	<b>Performance indicator</b>	(1) Technical observation -Milk production (lit./day) -Increase fat % in milk  (2) Economical parameters -Cost of technology T1- Nil T2- 2100 Rs./Animal -BCR  (3) Farmers perceptive -Inputs are Easily available
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-10</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of of Iverctin (IVERMECTIN medicine) for the management of internal &amp; external parasite in cross breed cow</b>
<b>II</b>	<b>Problem diagnose</b>	Low milk production due to heavy infestation of internal & external parasite in cross breed cow
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1 –Use of Albendazole @ 10mg./kg. body weight for the management of Internal parasite  T2- Use of Ivermectin @ 10mg./50kg. body weight for the management of internal & external parasite
<b>IV</b>	<b>Source of Technology</b>	IVRI, Izzatanagar, Barielly
<b>V</b>	<b>Thematic Area</b>	LPM
<b>VI</b>	<b>Performance indicator</b>	(1) Technical observation -Milk production (lit./day) -Body condition  (2) Economical parameters -Cost of technology T1-250 Rs./Animal T2-600 Rs./Animal -BCR  (3) Farmers perceptive -Inputs are Easily available
<b>VII</b>	<b>Replication</b>	10

	<b>OFT-11</b>	
<b>I</b>	<b>Title</b>	<b>Assessment of drudgery reduction of farm women by using improved wheel hoe for weeding in groundnut</b>
<b>II</b>	<b>Problem diagnose</b>	Low working efficiency and high work load of farm women during weeding in groundnut
<b>III</b>	<b>Details of technology selected for assessment / Refinement</b>	T1- Weeding with Khurpi T2- Weeding with wheel hoe
<b>IV</b>	<b>Source of Technology</b>	CIAE, Bhopal
<b>V</b>	<b>Thematic Area</b>	Drudgery reduction
<b>VI</b>	<b>Performance indicator</b>	<p>(1) Technical observation</p> <ul style="list-style-type: none"> <li>-Weeding area /hr.</li> <li>-Labour requirement (man hr./ha.)</li> </ul> <p>(2) Economical parameters</p> <ul style="list-style-type: none"> <li>-Cost of weeding <ul style="list-style-type: none"> <li>T1-4000 Rs./ha + 60 Rs./khurpi</li> <li>T2-800 Rs./ha. + 800 Rs./wheel hoe</li> </ul> </li> <li>-BCR</li> </ul>
<b>VII</b>	<b>Replication</b>	No.of farmer-05

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

Sl. No.	Crop	Variety/ Enterprise	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
I	II	III	IV	V	VI	VII	VIII	IX	X
1	Cotton	IPM	IPM	IPM module	-Pheroman trap for Pinkball worm -Neem oil -Quinalphos 25EC	Kharif-2017	10	25	-Yield (qtl./ha.) -Pest infestation %
2	Castor	Sunhemp	Soil fertility management	Green manuring	Seed	Kharif-2017	05	20	Yield (qtl./ha.) (Castor)
3	Chilli	Micronutrient	INM	Micronutrient	Zn,Fe,Mn,B,Cu (G-4)	Kharif-2017	05	20	Yield (qtl./ha.)
4	Kitchen gardening	Kitchen gardening -Seed of vegetables	Nutrition food security	Kitchen gardening	-Seed of vegetables -Sapling of fruit crop	Kharif-2017	-	20	Vegetable consumption expenditure (Rs.)
5	Castor	GCH-7	Varietal evaluation	Improved & wilt resistant Variety	Seed	Kharif-2017	15	40	Yield (qtl./ha.)
6	Mustard	Bentonite sulphur	INM	Micronutrient	Bentonite sulphur	Rabi-17	10	25	Yield (qtl./ha.)
7	Fennel	GF-12	Varietal evaluation	Improved variety	Seed	Rabi-17	10	25	Yield (qtl./ha.)
8	Fennel	Mancozeb 63% +Carbendazim 12%	IDM	-IDM module (seed treatment and soil application)	SAAF (Mancozeb 63%+ Carbendazim 12%)	Rabi-17	10	25	-Yield (qtl./ha.) -Disease incidence %
9	Ajwain	Gujarat Ajwain-2	Varietal evaluation	Improved variety	Seed	Rabi-17	10	25	Yield (qtl./ha.)

10	Cumin	GC-4	Varietal Evaluation	Improved variety	Seed	Rabi-17	10	25	Yield (qtl./ha.)
11	Cumin	Trichoderma viridae	IDM	IDM module (seed treatment and soil application)	Trichoderma Viride	Rabi-17	10	25	-Yield (qtl./ha.) -Wilt incidence (%)
12	Wheat	GW-451	Varietal Evaluation	Improved variety	Seed	Rabi-17	10	25	Yield (qtl./ha.)
13	Wheat	ZnSO <sub>4</sub> + FeSO <sub>4</sub>	INM	Micronutrient	-Znso <sub>4</sub> -FeSO <sub>4</sub>	Rabi-17	10	25	-Yield (qtl./ha.)

**Sponsored Demonstration**

Project	Crop	Area (ha)	No. of farmers
NMOOP	Groundnut (Kharif) GG-22	20	50
	Mustard (Rabi) GDM-4	20	50
NFSM	Green gram (Kharif) GAM-4	20	50
	Chickpea (Rabi) GJC-3	20	50

**B. Extension and Training activities under FLDs**

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	12	-	450
2	Farmers Training	16	-	365
3	Media coverage	04	-	-
4	Training for extension functionaries	02	-	40

**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.	Critical inputs	Performance parameters / indicators
Fodder crops	Cross breed cow	20	01	Seed	Milk production/day
Feed supplement	Buffalo	20	01	Mineral mixture	Milk production/day
Poultry farming	Domestic	15	05	Poultry feed	Body weight

### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	-	15	05	-	05	20
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	01	15	-	15	05	-	05	20
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	03	45	-	45	15	-	15	60
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	01	15	-	15	05	-	05	20
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	-	-	-	-	-	-	-	-

<b>c) Ornamental Plants</b>	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-
<b>d) Plantation crops</b>	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>e) Tuber crops</b>	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>f) Spices</b>								
Production and Management technology	03	45	-	45	15	-	15	60
Processing and value addition	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	01	15	-	15	05	-	05	20
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	-	-	-	-	-	-	-	-
<b>IV Livestock Production and Management</b>								
Dairy Management	02	30	-	30	10	-	10	40
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-
Feed management	01	-	15	15	-	05	05	20
Production of quality animal products	01	-	15	15	-	05	05	20



<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	01	-	18	18	-	02	02	20
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	02	-	38	38	-	02	02	40
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-
Rural Crafts	01	-	18	18	-	02	02	20
Women and child care	-	-	-	-	-	-	-	-
<b>VI Agril. Engineering</b>								
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	-	-	-	-	-	-	-	-
<b>VII Plant Protection</b>								
Integrated Pest Management	03	45	-	45	15	-	15	60
Integrated Disease Management	03	45	-	45	15	-	15	60
Bio-control of pests and diseases	01	15	-	15	05	-	05	20
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-
<b>VIII Fisheries</b>								
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	-	-	-	-	-	-	-	-
<b>IX Production of Inputs at site</b>								
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	-	-	-	-	-	-	-	-
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
<b>XI Agro-forestry</b>								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>25</b>	<b>285</b>	<b>104</b>	<b>389</b>	<b>95</b>	<b>16</b>	<b>111</b>	<b>500</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-

Seed production	01	13	-	13	02	-	02	15
Production of organic inputs	01	13	-	13	02	-	02	15
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	01	10	-	10	05	-	05	15
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	01	-	10	10	-	02	02	12
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	01	-	10	10	-	02	02	12
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-
Para vets	01	-	10	10	-	02	02	12
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	01	-	10	10	-	-	-	10
Rural Crafts	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>07</b>	<b>36</b>	<b>40</b>	<b>76</b>	<b>09</b>	<b>06</b>	<b>15</b>	<b>91</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	01	15	-	15	05	-	05	20

Integrated Nutrient management	01	15	-	15	05	-	05	20
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation technology	01	15	-	15	05	-	05	20
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	01	15	-	15	05	-	05	20
Household food security	01	-	15	15	-	05	05	20
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) PRA Techniques	01	15	-	15	05	-	05	20
<b>TOTAL</b>	<b>06</b>	<b>75</b>	<b>15</b>	<b>90</b>	<b>25</b>	<b>05</b>	<b>30</b>	<b>120</b>
<b>G. Total</b>	<b>38</b>	<b>396</b>	<b>159</b>	<b>555</b>	<b>129</b>	<b>27</b>	<b>156</b>	<b>711</b>

**B) OFF Campus**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	-	15	05	-	05	20
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	01	15	-	15	05	-	05	20
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	02	30	-	30	10	-	10	40
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	01	15	-	15	05	-	05	20
II Horticulture								
a) Vegetable Crops	-	-	-	-	-	-	-	-
Production of low volume and high value crops	-	-	-	-	-	-	-	-
Off-season vegetables	02	35	-	35	05	-	05	40
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	02	40	-	40	-	-	-	40
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-

Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
<b>c) Ornamental Plants</b>	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-
<b>d) Plantation crops</b>	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>e) Tuber crops</b>	-	-	-	-	-	-	-	-
Production and Management technology	01	15	-	15	05	-	05	20
Processing and value addition	-	-	-	-	-	-	-	-
<b>f) Spices</b>	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	01	15	-	15	05	-	05	20
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
<b>IV Livestock Production and Management</b>								
Dairy Management	02	15	15	30	05	05	10	40

Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management /goat	-	-	-	-	-	-	-	-
Disease Management	01	15	-	15	05	-	05	20
Feed management	02	30	-	30	10	-	10	40
Production of quality animal products	01	-	15	15	-	05	05	20
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	01	-	15	15	-	05	05	20
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	01	-	15	15	-	05	05	20
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	01	-	18	18	-	02	02	20
Value addition	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	01	-	15	15	-	05	05	20
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	02	-	35	35	-	05	05	40
<b>VI Agril. Engineering</b>								
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	-	-	-	-	-	-	-	-
<b>VII Plant Protection</b>								
Integrated Pest Management	01	15	-	15	05	-	05	20
Integrated Disease Management	03	45	-	45	15	-	15	60
Bio-control of pests and diseases	01	15	-	15	05	-	05	20

Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-
<b>VIII Fisheries</b>								
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	-	-	-	-	-	-	-	-
<b>IX Production of Inputs at site</b>								
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	-	-	-	-	-	-	-	-
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-
Formation and Management of SHGs(HS)	-	-	-	-	-	-	-	-



Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths (Agro.)	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
<b>XI Agro-forestry</b>								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems (Agro)	-	-	-	-	-	-	-	-
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>29</b>	<b>330</b>	<b>128</b>	<b>458</b>	<b>90</b>	<b>32</b>	<b>122</b>	<b>580</b>

## C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	02	30	-	30	10	-	10	40
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	01	15	-	15	05	-	05	20
Seed production	01	15	-	15	05	-	05	20
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	05	75	-	75	25	-	25	100
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	01	15	-	15	05	-	05	20
II Horticulture								
a) Vegetable Crops	-	-	-	-	-	-	-	-
Production of low volume and high value crops	-	-	-	-	-	-	-	-
Off-season vegetables	02	35	-	35	05	-	05	40
Nursery raising	01	15	-	15	05	-	05	20
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	02	40	-	40	-	-	-	40
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-

Plant propagation techniques	-	-	-	-	-	-	-	-
<b>c) Ornamental Plants</b>	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-
<b>d) Plantation crops</b>	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>e) Tuber crops</b>	-	-	-	-	-	-	-	-
Production and Management technology	01	15	-	15	05	-	05	20
Processing and value addition	-	-	-	-	-	-	-	-
<b>f) Spices</b>	-	-	-	-	-	-	-	-
Production and Management technology	03	45	-	45	15	-	15	60
Processing and value addition	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	02	30	-	30	10	-	10	40
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
<b>IV Livestock Production and Management</b>								
Dairy Management	04	45	15	60	15	05	20	80
Poultry Management	-	-	-	-	-	-	-	-

Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	01	15	-	15	05	-	05	20
Feed management	03	30	15	45	10	05	15	60
Production of quality animal products	02	-	30	30	-	10	10	40
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	02	-	33	33	-	07	07	40
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	01	-	15	15	-	05	05	20
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	01	-	18	18	-	02	02	20
Value addition	02	-	38	38	-	02	02	40
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	01	-	15	15	-	05	05	20
Rural Crafts	01	-	18	18	-	02	02	20
Women and child care	02	-	35	35	-	05	05	40
<b>VI Agril. Engineering</b>	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
<b>VII Plant Protection</b>								
Integrated Pest Management	04	60	-	60	20	-	20	80
Integrated Disease Management	06	90	-	90	30	-	30	120
Bio-control of pests and diseases	01	15	-	15	05	-	05	20

Production of bio control agents and bio pesticides	01	15	-	15	05	-	05	20
<b>VIII Fisheries</b>								
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	-	-	-	-	-	-	-	-
<b>IX Production of Inputs at site</b>								
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	-	-	-	-	-	-	-	-
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-

Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
<b>XI Agro-forestry</b>								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-
Sponsored training	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>54</b>	<b>615</b>	<b>232</b>	<b>847</b>	<b>185</b>	<b>48</b>	<b>233</b>	<b>1080</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-
Seed production	01	13	-	13	02	-	02	15
Production of organic inputs	01	13	-	13	02	-	02	15
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	01	10	-	10	05	-	05	15
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	01	-	10	10	-	02	02	12
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	01	-	10	10	-	02	02	12
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-
Para vets	01	-	10	10	-	02	02	12

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	01	-	10	10	-	-	-	10
Rural Crafts	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>07</b>	<b>36</b>	<b>40</b>	<b>76</b>	<b>09</b>	<b>06</b>	<b>15</b>	<b>91</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	01	15	-	15	05	-	05	20
Integrated Nutrient management	01	15	-	15	05	-	05	20
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation technology	01	15	-	15	05	-	05	20
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	01	15	-	15	05	-	05	20
Household food security	01	-	15	15	-	05	05	20
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)	01	15	-	15	05	-	05	20
<b>Total</b>	<b>06</b>	<b>75</b>	<b>15</b>	<b>90</b>	<b>25</b>	<b>05</b>	<b>30</b>	<b>120</b>
<b>G. TOTAL</b>	<b>67</b>	<b>726</b>	<b>287</b>	<b>1013</b>	<b>219</b>	<b>59</b>	<b>278</b>	<b>1291</b>

### 3.4. Extension Activities (including activities of FLD programmes)

[illegible]



[illegible]

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Wheat	GW-451	10
<b>OILSEEDS</b>	Mustard	GDM-4	01
<b>PULSES</b>	-	-	-
<b>VEGETABLES</b>	-	-	-
<b>OTHERS (Specify)</b>	-	-	-

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Lime	Kagzi lime	5000
	Papaya	Madhubindu	1000
	Pomegranate	Sinduri	500
<b>SPICES</b>	-	-	
<b>VEGETABLES</b>	-	-	
<b>Other</b>	Tobacco	GCT-3	200000
<b>FOREST SPECIES</b>	Neem	-	250
<b>ORNAMENTAL CROPS</b>	Rose, Pendula etc.	-	1000
		<b>Total</b>	<b>207750</b>

#### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>	-	-	-	-
<b>BIO-PRODUCTS</b>	Vermi compost	-	-	5000kg

**LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	-	-	-	-
Pig farming	-	-	-	-
FISHERIES	-	-	-	-

**3.6. Literature to be Developed/Published****(A) KVK News Letter**

Date of start : Dec.-2014

Number of copies to be published : 200

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	-
2	Technical reports	01
3	News letters	01
4	Training manual all discipline	-
5	Popular article	05
6	Extension literature	08
	<b>Total</b>	<b>15</b>

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
-	-	-	-

**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) Bench mark survey
- b) Socio economic survey by PRA Technique
- c) Group discussion

**Rural Youth**

- a) Group discussion
- b) Pre structure interview

**In-service personnel**

- a) Group discussion
- b) Pre evaluation of in service personnel

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- i) Field level observations
- ii) Farmer group discussions
- III) PRA Techniques

**For FLD :**

- i) PRA Techniques
- ii) Benchmark survey

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) :

Sr.No.	Year of adoption	Name of villages with block
1.	2017-18	Lavara-Sidhpur Norta, Kharivavdi-Patan Vamaiya-Saraswati Mandlop, Multhaniya- Chanasma Upaliyasar-Sami Orumana-Shankhawar Roda-Harij Bhilot-Radhanpur Sadpura-Santalpur
2.	2016-17	Jafripura, Sujanpur-Sidhpur Khanpurda, Khodana, Chandrumana-Patan Dharmoda, Kamboi, Ruppur-Chanasma Ravindra, Nana, Moka-Harij Vaval, Aritha, Kanij-Sami Sabdulpura, Sardarpura, Sinad-Radhanpur Ghokhantar, Sindhana-Santalpur
3.	2015-16	Lukhasan – Sidhpur Varsila-Sidhpur Madhupura-Sidhpur Hajipur-Patan Brahmanwada-Chanasma

- ii. No. of farm families selected per village : - 10
- iii. No. of survey/PRA conducted : - 05
- iv. No. of technologies taken to the adopted villages :- 16
- v. Name of the technologies found suitable by the farmers of the adopted villages: -
1. Green manuring by sunhemp in castor
  2. Use of micronutrient in chilli
  3. GCH-7 variety of Castor
  4. Guj. Ajwain-2 variety of Ajwain
  5. GF-12 variety of Fennel
  6. GC-4 variety of Cumin
  7. Use of fungicide (SAAF) carbendenzym + Mancozeb in Fennel
  8. Use of Bio fungicide trichoderma viride in Cumin

9. GW-451 variety of wheat
10. Micronutrient in wheat- ZnSo<sub>4</sub>
11. Micronutrient in mustard-Granular sulphur
12. Bio control agent in Cotton - Neem oil + Pheromane trap
13. Kitchen gardening
14. Use of mineral mixture in LPM
15. Back yard poultry
16. Fodder management

vi. Impact (production, income, employment, area/technological– horizontal/vertical): -

Sr.No.	Crop	Thematic area	Technology demonstration	Area in ha. (Horizontal spread)
1.	Fennel	Varietal evaluation	GF-11 & GF-12	125
2.	Castor	Varietal evaluation	GCH-7	750
3.	Green-gram	Varietal evaluation	GM-4	120
4.	Cumin	Varietal evaluation	GC-4	440
5.	Cumin	IDM	Mencozeb 75 WP	425
6.	Cumin	Bio agent	Trichoderma viridae	125
7.	Wheat	Varietal evaluation	GW-366	50

vii. Constraints if any in the continued application of these improved technologies : -

1. GW-366 variety is high yielding but not good for chapatti making.

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Yes

1. Year of establishment : 2004

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectrophotometer	01	1,10,294=00
2	Flame Photometer	01	
3	PH meter	01	18,630=00
4.	Conductivity meter	01	
5.	Rotary shekar (for 16 flask)	01	88,504=00
6.	Rotary shekar (for 25 flask)	01	
7.	Hot Plate 18 x 24	01	
8.	Hot Plate 12 x 18	01	
9.	Physical Balance	01	23,348=00

10.	Chemical Balance	01	1.09,760=00
11.	Hot Air oven	01	29,536=00
12.	Glass distillation unit	01	75,832=00
13.	Vili mil	01	
14.	Kel Plus digestion system	01	2,35,675=00
15.	Distillation system	01	
16.	Acid nutritizer	01	
17.	Electrolysis freeze	01	14,000=00
18.	Gas sagadi	03	2,200=00
19.	Stabilizer (for freeze)	01	550=00
20.	Store vel	01	7,900=00
21.	Iron table	02	
22.	Hygrometer	01	5,292=00
23.	Revolving chair	02	6,300=00
24.	Round stool with wheel	01	
25.	Round stool	01	
26.	Burner	02	5,328=00
27.	Stand	02	
28.	Electric Hot plate	02	
29.	Stabilizer	02	13,120=00
30.	Exost fen	02	1,500=00
31.	Gas connection	01	1,643=00

### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	50	50	03	
Water	-	-	-	-
Plant	-	-	-	-
<b>Total</b>	<b>50</b>	<b>50</b>	<b>03</b>	<b>-</b>

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Sardarkrushinagar Dantiwada Agril. University S.K.Nagar	Technical back stopping
2.	Department of Agriculture, Horticulture and Animal Husbandry Patan	Training and Demonstration of Agriculture technology
		Awareness regarding horticulture development scheme
		Cattle health camp
3.	ATMA Patan	Training & Demonstration of Agril. Technology

4.	Farmers Training Centre Patan	Linkage for imparting training to farmers, farm women & rural youth
5.	Gujarat State Fertilizer & Chemical Co. Ltd and Gujarat Narmadavally fertilizer Co. Ltd	Training programme on fertilizer management in major crops
6.	NABARD	Strengthening of farm science club
7.	ICDS Patan	Training programme for Extension functionaries

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Training to extension functionaries (ATM & BTM) of ATMA	-SHG formation & management -PRA techniques to achieve the training need assessment
2	Training to practicing farmers	Training about -Integrated farming system -Integrated nutrient management -Integrated pest & disease management
3.	Training to farm women	-Minimization of nutrient losses while cooking -Child care & nutrition
4.	Farmers field school (FFS)	-Diagnostic services -Demonstration

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
-	-	-

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
-	-	-

#### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	Tailoring course in women and children garments	30
2	Nursery raising for vegetable crops	21
3	Vermi compost production technology	21



4.	Importance & technique of artificial insemination in dairy animals	21
	<b>Total</b>	<b>93</b>

#### 6.0 Convergence with departments :

S. No.	Name of Department	Activities
1	Gujarat State Horticulture Dept.	Promotion & subsidy for horticultural crops
2.	Gujarat Green Revolution company	Promotion to increase the area under Micro Irrigation System
3.	State Agriculture Department	To promote farm mechanization by Various farm implements
4.	Agriculture Tech. Management Agency (ATMA)	Demonstration of diff.Agril. Technologies & diagnostic services
5.	State Animal Husbandry Dept.	-To organized training programme -To organized Animal Health camp

#### 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

S. No.	Demonstrated/assessed technology	Feed back
1	G.C.H.-7 variety-Castor	High yielding & wilt resistant
2.	G.C.-4 variety-Cumin	High yielding & wilt tolerant variety
3.	G.F.-12 Variety-Fennel	High yielding variety for Rabi season
4.	G.W.-366 Variety-Wheat	High yielding variety
5.	G.D.C.-1 Variety-Carrot	Colour of the Carrot is light red as compared to local variety
6.	G.M.-4 Variety-Green-gram	Cluster habit in pod formation & high yielding
7.	Spraying of KNO <sub>3</sub> at flowering & Ball formation – Cotton	Good flowering & Ball formation
8.	Seed treatment with Fipronil - 5SC- Wheat	Good control over infestation of termite

9.	Bio fungicide-Trichoderma-Cumin	To control the wilt disease in Cumin
10.	Micro nutrient ZnSO <sub>4</sub> + FeSO <sub>4</sub>	Quality & yield is improved in Lime
11	Granular Sulphur-Mustard	Yield is increased due to oil content

#### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :

S. No.	Crop	Feed back for research institution , universities
1	Cotton	Required sucking pest resistant variety
2.	Chilli	Required high yielding & leaf curl resistant variety
3.	Carrot	Required high yielding & dark red coloured variety
4.	Fennel	Required sugary disease (Physiological disorder) resistant variety
5.	Mustard	Required high yielding & sucking pest resistant variety
6.	Cumin	Required wilt resistant variety
7.	Potato	Required blight resistant variety

## Training Programme

**i) Farmers & Farm women (On Campus)**

[illegible]

<b>Home Science</b>										
May-17	FW	Preparation and preservation of mango products	02	-	18	18	-	02	02	20
Sept-17	FW	Preparation of decorative items from waste materials	02	-	18	18	-	02	02	20
Oct-17	FW	Kitchen gardening layout plan	02	-	18	18	-	02	02	20
Dec-17	FW	Preparation and preservation of aonla products	02	-	20	20	-	-	-	20
<b>Plant Protection</b>										
April-17	PF	Role of soil solarization & rabbing in insect pest & disease management	02	15	-	15	5	-	5	20
June-17	PF	Integrated pest & disease management in BT Cotton	02	15	-	15	5	-	5	20
July-17	PF	Identification & role of Bio control agents for pest management	02	15	-	15	5	-	5	20
Sept-17	PF	Plant protection measures to control the pest & diseases in lime	02	15	-	15	5	-	5	20
Oct-17	PF	Control measures of Insect pest & disease in Fennel	02	15	-	15	5	-	5	20
Nov.-17	PF	Integrated pest & disease management in Rabi pulses	02	15	-	15	5	-	5	20
Nov.-17	PF	IPM module for the termite management in Wheat	02	15	-	15	5	-	5	20
<b>Fisheries</b>										
-	PF	-	-	-	-	-	-	-	-	-
<b>Soil Health</b>										
May-17	PF	Soil health & concept for soil health management	02	15	-	15	5	-	5	20

## i) Farmers &amp; Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
July-2017	PF	INM in Cotton	02	15	-	15	05	-	05	20
Sept-2017	PF	INM in Castor	02	15	-	15	05	-	05	20
Oct.-2017	PF	Importance and scope of drip & sprinkler irrigation for higher crop production	02	15	-	15	05	-	05	20
Dec-2017	PF	Integrated weed management in wheat	02	15	-	15	05	-	05	20
Jan-2018	PF	Method of production of organic manure	02	15	-	15	05	-	05	20
Horticulture										
March-17	PF	Production technology and management of Papaya	02	20	-	20	-	-	-	20
Aug-17	PF	Integrated nutrient management in chilli crop	02	15	-	15	05	-	05	20
Nov-17	PF	Integrated nutrient management in Potato	02	15	-	15	05	-	05	20
Jan-18	PF	Production technology and management of Cucumber & Bottle gard	02	20	-	20	-	-	-	20
Feb-18	PF	Production technology and management of water melon & muskmelon	02	20	-	20	-	-	-	20
Livestock prod.										
April-17	FW	Method of silage making	02	15	-	15	05	-	05	20
June-17	FW	Importance of domestic cows milk	02	15	-	15	05	-	05	20
August-17	FW	Management of milch animals	02	15	-	15	05	-	05	20
Oct-17	PF	Deworming in animals and its economical importance	02	15	-	15	05	-	05	20
Dec-17	FW	Azolla as a animal feed	02	15	-	15	05	-	05	20
Feb-18	FW	Importance, limitations &	02	15	-	15	05	-	05	20



Soil Health										
Nov-17	PF	Importance of organic manure in sustainable agriculture	02	15	-	15	5	-	5	20
Feb-18	PF	Importance and efficient use of bio fertilizer	02	15	-	15	5	-	5	20

## ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Tailoring	Tailoring stitching	Tailoring course in women and children garments	May	30	-	10	10	-	-	-	10
Nursery	Nursery raising	Nursery raising for vegetable crops	June	21	-	10	10	-	05	05	15
Organic manure	Production of organic inputs	Vermi compost production technology	Sept	21	13	-	13	02	-	02	15
LPM	Pravets	Importance & technique of artificial insemination in dairy animals	Dec	21	10	-	10	02	-	02	12

## iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Durati on in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On campus										
May-17	Dairy mantri/ Pramukh	Fodder management during the year	01	15	-	15	05	-	05	20
June-17	VLW /Extension officer	INM&IWM in field crops	01	15	-	15	05	-	05	20
Oct-17	ATM& BTM ATMA-Patan	Production technology and management of spices crops	01	15	-	15	5	-	5	20
Nov.-17	Aganwadi worker	Importance and techniques of kitchen gardening	01	-	15	15	-	05	05	20
Dec-17	VLW /Extension officer	Integrated pest & disease management in field crops	01	15	-	15	05	-	05	20
March-18	IWMP-(WDT&MDT)	Training need assessment & PRA technique	01	15	-	15	05	-	05	20

## iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Crop Production	G.S.F.C./ G.N.F.C.	PF	Selection & method of application of chemical fertilizer and its efficient use	01	25	-	25	05	-	05	30
Crop Production	ATMA Patan	PF	Integrated nutrient management in castor	01	25	-	25	05	-	05	30
Horticulture	Horticulture Dept. Patan	PF	Scientific cultivation of pomegranate & Papaya	01	30	-	30	-	-	-	30
Plant Protection	F.T.C. Patan	PF	Integrated pest & diseases management of Rabi crops	01	30	-	30	-	-	-	30
Home Science	ATMA Patan	FW	Fruit and vegetable preservation techniques	01	-	25	25	-	05	05	30
b) Sponsored research programme											
-	-	-	-	-	-	-	-	-	-	-	-
			Total	-	-	-	-	-	-	-	-
c) Any special programmes											
-	-	-	-	-	-	-	-	-	-	-	-
			Total	-	-	-	-	-	-	-	-