ANNUAL PROGRESS REPORT

(APRIL-2016 TO MARCH-2017)

SUBMITTED TO
ZONAL PROJECT DIRECTORATE
ZONE-VI, JODHPUR

SUMITTED BY

KRISHI VIGYAN KENDRA
SAMODA-GANWADA
TA.SIDHPUR, DIST.PATAN (GUJARAT)

INDEX

ANNUAL REPORT

(April-2016-March-2017)

ANNUAL PROGRESS REPORT SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	83	1507	454	1961
Extension functionaries	05	80	47	127
Sponsored Training	06	58	202	260
Vocational Training	04	25	27	52
Total	**98**	**1670**	**730**	**2400**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	150	45	-
Pulses	130	40	-
Cereals	50	20	-
Vegetables	20	05	-
Other crops	102	35	-
Hybrid crops	-	-	-
Total	452	145	-
Livestock & Fisheries	-	-	-
Other enterprises	-	-	-
Total	-	-	-
Grand Total	452	145	-

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	07	70	70
Livestock	-	-	-
Various enterprises	-	-	-
Total			
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	07	70	70

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	858	8445
Other extension activities (KMA)	24	43321
Total	882	52766

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Patan	Text only	19	03	-	02	-	-	24
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**19**	**03**	**-**	**02**	**-**	**-**	**24**
	Total farmers Benefitted	**33993**	**5779**	**-**	**3549**	**-**	**-**	**43321**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	15.20 (qt.)	53200=00
Planting material (No.)	27913 (No.)	56968=00
Bio-Products (kg)-Vermi compost	7600 (kg.)	38000=00
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	-	-
Water	-	-
Plant	-	-
Total	**-**	**-**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	08
2	Conferences	02
3	Meetings	04
4	Trainings for KVK officials	08
5	Visits of KVK officials	06
6	Research papers	03
7	Training Manual	-
8	Book chapters	-
9	Extension folder	06

DETAIL REPORT OF A.P.R.-2016-17

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra Saraswati Gram Vidhyapith Samoda-Ganwada Ta.Sidhpur, Di. Patan Gujarat, Pin. 384 151	02767 285528	02767 285528	kvksamoda@yahoo.com

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

Address	Telephone		E mail
	Office	FAX	
Saraswati Gram Vidyapeeth, Samoda-Ganwada Ta.Sidhpur, Di. Patan Gujarat, Pin. 384 151 (N.G.)	02767 285199	02767 285528	kvksamoda@yahoo.com

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

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. Upesh Kumar Senior Scientist and Head Krishi Vigyan Kendra Samoda-Ganwada Ta.Sidhpur, Di.Patan Gujarat Pincode-384151	02767 285528	9425661514 9687913860	kvksamoda@yahoo.com

1.4. Year of sanction: Year - 1993

1.5. Staff Position (as on 31th March, 2017)

Sr. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (RS.)	Present Basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Age	E-mail
1.	Senior Scientist & Head	Dr.Upesh kumar	Senior Scientist & Head	Pl. Pathology	PB-4 37,400-67000	46400/-	1/10/16	-	General	9425661514	39	upeshkvk@gmail.com
2.	Subject Matter Specialist	Shri G.A..Patel	S.M.S.	Plant Protection	PB-3 15600-39100	35910/-	6/5/1993	Permanent	General	9426521484	52	kvksamoda@yahoo.com
3.	Subject Matter Specialist	Shri H.P.Patel	S.M.S.	Extension Education	PB-3 15600-39100	35910/-	8/5/1993	Permanent	General	9879924655	52	kvksamoda@yahoo.com
4.	Subject Matter Specialist	Smt. H.B.Patel	S.M.S.	Home Science	PB-3 15600-39100	30260/-	19/8/2002	Permanent	General	9909497009	40	hinapatelsci@gmail.com
5.	Subject Matter Specialist	Shri S.S. Darji	S.M.S.	Horticul-ture	PB-3 15600-39100	23640/-	2/4/2012	Permanent	OBC	9909941995	35	sachinkumar.darji@gmail.com
6.	Subject Matter Specialist	Shri R.P.Chaudhari	S.M.S.	Agronomy	PB-3 15600-39100	21630/-	16/4/2015	Permanent	OBC	9737391689	27	rp.agri14@gmail.com
7.	Subject Matter Specialist	Shri S.J.Patel	S.M.S.	Animal Science	PB-3 15600-39100	21000/-	01/09/2016	-	General	9662654302	27	sanketpatel.vets@gmail.com
8.	Programme Assistant	Shri D.N.Patel	Programme Assistant	-	PB-2 9300-34800	24540/-	22/2/1996	Permanent	General	9825703608	46	-
9.	Programme Assistant	Smt. J.N.Patel	Programme Assistant	-	PB-2 9300-34800	24080/-	27/7/1996	Permanent	General	9909847367	44	-
10	Computer Programmer	Shri D.R.Patel	Computer Programmer	-	PB-2 9300-34800	22460/-	01/09/2002	Permanent	General	9979161440	45	Dripatel262@gmail.com

Sr. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (RS.)	Present Basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Age	E-mail
11	Accountant/O. S.	Shri N.B.Patel	Accountant/ O. S.	-	PB-2 9300-34800	25710/-	25/1/1996	Permanent	General	9714325839	52	-
12	Steno/ Jr.Clerk	Shri J.K.Patel	Steno/ Jr.Clerk	-	PB-1 5200-20200	11960/-	01/09/2002	Permanent	General	9909301273	43	-
13	Driver	Shri R.A.Patel	Driver	-	PB-1 5200-20200	9660/-	14/8/2010	Permanent	General	9727016216	40	-
14	Supporting Staff	Shri R.H.Desai	Supporting Staff	-	PB-1 5200-20200	10930/-	14/5/1993	Permanent	OBC	9879536469	51	-
15	Supporting Staff	Shri R.D.Thakor	I/C Tractor Driver	-	PB-1 5200-20200	10930/-	25/1/1996	Permanent	OBC	9586532371	40	-
16.	Supporting Staff	Shri P.V.Senma	Supporting Staff		PB-1 5200-20200	10930/-	25/1/1996	Permanent	SC	9913298630	46	-

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.	Orchard/Agro-forestry	5.00
5.	Others (specify)	3.00
Total		**20.00**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	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 (9)	ICAR	1996-97	731	16,89,512=74	-	-	-
4.	Demonstration Units (2)	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	-	285640=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	-	Not in proper working
Jeep	2009-10	7,60,236=00	174963	Working
Motorcycle	2010-11	49,695=00	51904	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Camera	1994	1,600=00	Not in Working
Slide Projector/ O.H.P.	1994	23,969=00	Working
Mega Phone	1994	2,140=00	Working
Type Writer	1994	30,675=00	Not in Working
Litho machine	1994	10,925=00	Not in Working
TV	1995	15,695=00	Not in Working
Computer + Printer	2006	66,530=00	Working
Xerox machine	2006	58,000=00	Not in Working
Stabilizer	2006	1,750=00	Working
LCD Projector	2007	54,326=92	Working
DVD Player	2007	3,846=16	Working
Laptop	2007	39,423=08	Working
Digital Camera	2007	19,903=84	Not in Working
Digital Camera	2009	24,800=00	Not in Working
P.A. System	2009	28,600=00	Working
Computer	2009	49,500=00	Working
Generator	2009	98,500=00	Working
Fax machine	2009	19,800=00	Working
Multicrop thresher	2011	1,46,000=00	Working
Rotary weeder	2011	51,450=00	Working
Power sprayer	2011	15,855=00	Working
Seed cum fertilizer drill	2011	27,250=00	Working
K-YAN	2013	76,650=00	Working
Oven	2014	7200=00	Working
Sewing Machine	2014	8700=00	Working
Computer (Dell inspiron 3250) (No.2)	2017	68000=00	Working
Epson –M-200 printer (No.1)	2017	12000=00	Working
AC (No.2)	2017	98000=00	Working

Podium –PD-900	2017	40000=00	Working
Promax audio trally	2017	16000=00	Working
Interactive white board-IR80	2017	32000=00	Working
Double sided pinup board	2017	17050=00	Working
Folding banner stand	2017	2000=00	Working
Projection screen	2017	3200=00	Working
Camera (No.3) Canon DLSR Sony digital Sony Handy cam	 2017 2017 2017	 43495=00 8390=00 31990=00	Working
Philips 55’ digital signage display	2017	99800=00	Working
Magazin display stand (No.2)	2017	7640=00	Working
Motorized scroller	2017	17300=00	Working
Acrylic charts (57)	2017	79800=00	Working
Rolling charts (27)	2017	8910=00	Working
Standy with flex banner (No.4)	2017	3680=00	Working
GPS-Navigator	2017	8000=00	Working
Sprayers No.4) -Aspee durotekic battery sprayer -Aspee Bolo motorized knapsack sprayer -Aspee duroteck hitech sprayer -Aspee (Marut sprayer)	 2017 2017 2017 2017	 14650=00	Working
Nursery tools	2017	35965=00	Working
Water cooler with purifier	2017	52100=00	Working
Soil testing lab kit (No.2)	2017	172000=00	Working
Chaff cutter	2017	26964=00	Working
Grinder	2017	16065=00	Working
BP monitor	2017	1200=00	Working
Weighting scale	2017	1000=00	Working
Acrylic specimen box (30)	2017	10500=00	Working
Agrimedia video film (125)	2017	13125=00	Working
Double sided pinup board (No.2)	2017	34100=00	Working

1.8. A). Details SAC meeting* conducted in the year

Sl. No.	Date	Name & Designation of Participants	Salient Recommendations Of SAC (Dt.07/02/2017)	Action taken of SAC Dt.04/03/2016
1.	07/02/2017	**Sri M.L. Patel** Managing Director S.G.V.P., Samoda-Ganwada Di.Patan **Dr P.M. Patel** Associate Research Scientist Directorate of Extension, SDAU, S.K.Nagar **Sri K.J.Patel** Assistant Research Scientist Dry Farming Research Station, SDAU, Radhanpur **Sri S.S.Patel** D.A.O. District Agriculture Office, Dist.Patan **Sri M.B. Galwadiya** Deputy Director, District Horticulture Officer, Patan **Smt Solanki Bharatiben** Incharge, CDPO, Sidhpur **Sri D.J.Chaudhari** Range Forest Officer Forest Dept., Di.Patan **Sri Anil Nair** D.D.M. NABARD, Distr. Patan **Sri P.A.Patel** Manager LDM, Di.Patan **Sri B.G.Rajput** Extension Officer District Agriculture Officer, Sidhpur	❖ KVK should develop literature on latest technologies with good quality photographs ❖ KVK should motivate the farmers for high density planting of cotton ❖ KVK should aware the farmers for management technology of pink boll worm in cotton ❖ KVK should aware to farmers for use of bio pesticide for the management of pest ❖ KVK more focus on popularization of Kitchen garden technologies ❖ KVK conduct more No of programme on vermicompost production & its use ❖ KVK promote plug nursery for vegetable seed production. ❖ KVK provide quality planting material of fruit plant to farming community ❖ Suggested that the popularization of liquid bio fertilizer among the farming community. ❖ KVK conducted more No of programmes on STV based nutrient management ❖ KVK should promote value addition technology of fruits & vegetable. ❖ KVK should focus on	❖ KVK conduct 03 No of Vocational training to farm women ❖ KVK conduct FLD (50 No of demo) & training programme for promotion of Chickpea production technology ❖ KVK conduct training programme as well as FLD on INM & IPM technology for promotion of Organic farming ❖ KVK conduct training programme for promotion of water conservation technologies & enhancing water use efficiency. ❖ KVK also assessed the soil moisture conservation technology – Pusa hydrogel ❖ Through training, FLDs & extension activities – KVK motivate the farmers for agriculture diversification ❖ KVK produce 3263 No of seedling in lime, 61 No of seedling in papaya & 26350 no of seedling in tomato,

		Sri B.K.Patel Technical Assistant GLDC, Di.Patan **Sri R.M.Mewada** Marketing Manager GNFC, Di.Patan **Mr A.D.Patel** Representative GGRC, Di.Patan **Sri K.B.Patel** Representative (Agronomist) GSFC, Sidhpur **Dr H.L.Patel** Representative Dudhsagar Diary, Sidhpur **Smt Ramilaben** Representative Yuganjali Trust, Sidhpur **Smt Jigna B Dave** Secretary Yuganjali Trust, Sidhpur **Sri J.M.Sipai** Live stock inspector Animal Husbandary Dept. Di.Patan **Mr Thakar Niranjan** Reporter Divya Dainik Bhaskar Sidhpur **Mr Chaudhari Rohit Singh** Progressive Farmer **Smt Hansaben R.Thakur** Progressive Farm Women **Mr Saiyad Ataulla** Youth Entrepreneurer **Mis Prajapati Sarojben Maheshwari**	formation of SHG or Kisan club & linked with bank or NABARD for financial support ❖ KVK conduct more awareness programme on health management of dairy animal. ❖ KVK should jointly conduct Animal Health Camp ❖ KVK should more focus on profitable dairy farming ❖ KVK should focus on vocational training programme to our SHGs ❖ Appreciate the working of Krishi Vigyan Kendra. ❖ KVK disseminated technologies like water conservation & its used, Improved variety of wheat, Line sowing technology etc are given very good results. ❖ KVK are more focus on technology on soil fertility management. ❖ KVK should more focus on popularization of round the year green fodder production technologies ❖ With the technical guidance of Krishi Vigyan Kendra, we are earned additional income from decorative items. ❖ KVK provide market for selling of these product, so we are easily sell our product	cauliflower, tobacco & Rose ❖ KVK conduct 01 No of Aanganwadi workers training . ❖ KVK conduct FLD -02 No in INM & 03 No in IPM ; 02 NO of OFT on IPM & training programme for promotion of INM, IWM & IPM technologies

		Women Entreprenurer		
		Mis Prajapati Priyankaben Women Entreprenurer		
		Dr Upesh Kumar Member Secretary and Senior Scientist & Head K.V.K., Di.Patan		

PHOTOGRAPHS OF S.A.C. MEETING

સિદ્ધપુરના સમોડા ગામમાં વૈજ્ઞાનિક સલાહકાર સમિતિની બેઠક યોજાઇ

તજજ્ઞો દ્વારા વર્ષભરના કાર્યક્રમોની ચર્ચા કરાઈ

ભાસ્કર ન્યૂઝ | સિદ્ધપુર

કૃષિવિજ્ઞાન કેન્દ્ર ગણવાડામાં મંગળવારના રોજ ઉત્તર ગુજરાતના કૃષિ વૈજ્ઞાનિકો તજજ્ઞોની એક બેઠક યોજાઈ હતી. જેમાં ખેડુતને પાકમાં થતા નુકશાનનું નિવારણ તેમજ વધુ પાક લેવા માટેના અખતરાનું નિદર્શન કરાવાયું હતું.

બેંકના ડી.ડી.એન.અમીન નાયરે સ્વસહાય જુથને સ્વાવલંબી બનાવવા માટે બેંકીંગ સહાયની સલાહ આપી હતી. જિલ્લા ખેતીવાડી અધિકારી શૈલેષભાઈ પટેલે વર્મી કમ્પોસ્ટ પ્રોડકશાનને પ્રોત્સાહન આપવા જણાવ્યુ હતું જ્યારે પી.એમ.પટેલે કિચનગાર્ડન બનાવવા માટે તાલીમ આપવા જણાવ્યુ હતું. જિલ્લામાં ટપક સિંચાઇ પધ્ધતિનો વ્યાપ વધે તે માટે નિષ્ણાતોએ જણાવ્યું હતુ. ડી.સકેત પટેલ, જીએનએફસીના અધિકારી મેવાડા, જીએસએફસીના કે.બી. પટેલ કૃષિ વિજ્ઞાન કેન્દ્રના મનુભાઈ તેમજ કેન્દ્રના સિનિયર વૈજ્ઞાનિક ઉમેશકુમાર તેમજ ચોગાંજલીના રમિલાબેન ગાંધી, જિજ્ઞાબેન દવે, કોરેસ્પેડર ચૌધરી સહિતના આગેવાનો ઉપસ્થિત રહ્યા હતા.

સિદ્ધપુરના કૃષિ કેન્દ્રમાં બેઠક મળી

સિદ્ધપુરની ગણવાડા અને સમોડાની સીમમાં આવેલ કૃષિ વિજ્ઞાન કેન્દ્ર સરસ્વતી ગામ વિદ્યાપીઠ ખાતે સલાહકાર સમિતીની બેઠકમાં મુખ્યત્વે ખેતી કરતા ખેડૂતોએ હવે ટપક સિંચાઇ પદ્ધતીને વધુ અપનાવી તેનો વ્યાપ વધારવાનું સૂચન તજજ્ઞો દ્વારા કરવામાં આવ્યુ હતુ. પાટણ જીલ્લા ખેતીવાડી અધિકારી શૈલેષભાઇ પટેલે વર્મી કમ્પોસ્ટ પ્રોડકશાનને પ્રોત્સાહન આપવા માટેનું સૂચન કર્યું હતું. તો પી.એમ.પટેલે કિચન ગાર્ડ બનાવવા માટે તાલીમ આપવા માટેનું સૂચન કર્યું હતું.

2. DETAILS OF DISTRICT (2016-17)

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

S. No	Farming system/enterprise
1.	Crop production – Dairy
2.	Crop Production – Horticulture – Dairy
3.	Poultry Farming.
4.	Cropping system predominant in district - Castor - Cotton - Green gram/ Black gram/ Cluster bean – Wheat/ Mustard/ Chickpea/ Cumin / Funnel – Pearl millet

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

S. N.	Agro-climatic Zone	Characteristics
1.	Zone No.4 (Patan, Saraswati, Sidhpur and Chansama taluka)	- Average rainfall is 610 mm. - Soil type is loamy, sandy, saline & medium black. - Main crops- Cotton, Wheat, Castor, Cumin, Bajara & Mustard, Fennel, Chilli, Carrot
2.	Zone No.8 (Harij, Sami, Shankheswar, Radhanpur and Santalpur taluka)	- Average rainfall is 500mm. - Soil type is loamy, sandy, saline and medium black. - Main Crops - Rainfed Cotton, Wheat, Gram, Dill seed, Mustard & Cumin.

Description of taluka based on agro ecological situations of North Gujarat and North, west Gujarat agro climatic zone

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 type/s

S. No	Soil type	Characteristics	Area in ha
1.	Heavy black soil	- High Water holding capacity - Low permeability - Water logging condition - Fertile soil	30400
2.	Medium black soil	- Medium WHC - Medium permeability - Fertile soil	334400
3.	Loamy soil	- More retain water and nutrient than sandy soil and low retain water and nutrient than black soil	213220
4.	Sandy soil	- Low WHC - High permeability	165424
5.	Saline soil	- Salts accumulation on the soil surface - Water logging condition - Crack formation during Summer Season	109535

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

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

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		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	-
September-16	-	21.24	31.77	-
Oct.- 16	72mm	19.29	30.46	-
Nov.- 16	-	17.06	29.56	-
Dec.- 16	-	15.10	27.56	-
Jan.-17	-	13.06	25.04	-
Feb.-17		17.58	29.08	-
March-17		21.03	31.80	-

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

Category	Population	Production	Productivity
Cattle			
Crossbred	123530	1104	3.68 kg./day
Indigenous	7493	2520	8.40 kg./day
Buffalo	363514	1350	4.50 kg./day
Sheep			
Crossbred	53750	-	-
Indigenous	-	-	-
Goats	102937	-	-
Pigs	131	-	-
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	185	-	-
Poultry			
Hens	26210	7207750 egg./yr.	275 egg./bird/yr.

Source: District agriculture department

2.7 Details of Operational area / Villages (2016-17)

Taluka	Name of the block	Name of the Village	Major crops & enterprises	Major problem identified	Identified thrust area
Sidhpur Patan Chansma	**Patan**	Chandravati, Madhupura, Biliya, Kot, Ganglasan, Nagvasan, Sujanpur, Lavara, Kanesara, Samoda, Lukhasan, Sandesari, Ganwada Hajipur, Der Khanpurda Chaveli, Ruppur, Danodarda, Multhaniya, Jasalpur, Lanva, Sunsar, Brahmanwada, Karoda	Cotton Green-gram Black-gram Castor Chilli Chickpea Mustard Fennel Cumin Wheat Dilseed Summer Bajara	-Average productivity is low in major crop. -Soil fertility status is poor -Inadequate irrigation facility -Pest & disease infestation Mealy bug Termite Blight -IPM/IDM -Low adoption of Horticultural crops -Loss of food grains due to poor knowledge & storage facility -Low adoption of MIS -Average milk production per animal is low	-Integrated crop management -Integrated nutrient management -Nursery raising for veg. seedling -Cultivation of fruits -Production & management of spices & tuber crops -Soil fertility management -Feed & Fodder technology -Animal nutrition management -House hold food security -Storage loss minimization -Drudgery reduction technology -Promotion of rural craft activities -Integrated pest management -Integrated disease management
Harij Sami Radhanpur	**Radhanpur**	Ravindra, Roda, Nana, Juna moka Sonar, Ranod, Nayka Dev, Sinad, Shabadalpura Javantri			

2.8 Priority/thrust areas

Crop/ Enterprise	Thrust area
Field crops	Improved variety Integrated Nutrient Management Integrated Weed Management Water management Integrated pest management Integrated Disease management
Horticultural crops – Vegetable. Spices, Fruit	Hybrid seed/ Quality planting material Integrated Nutrient management Integrated weed management Integrated pest Management Post harvest management
Live-stock	Breed improvement Feed management Housing management Disease management
Home Science	-Use of solar cooker -Fruits & veg. preservation -Farm women empowerment through income generation activity -Drudgery reduction

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2016-17

OFT				FLD			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
07	07	70	70	15	16	485	557

Training					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of Participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers/F.W.	91	87	2195	2161	204	861	4090	8414
Vocation training	06	06	90	112	-	-	-	-
Extn. Functionaries	05	05	100	127	-	-	-	-
Total	**102**	**98**	**2385**	**2400**	**204**	**861**	**4090**	**8414**

Seed Production (Qtl.)			Planting material (No.)		
5			6		
Targets	Achievement	Distributed to no.of farmers	Targets	Achievement	Distributed to no.of farmers
15	15.20	35	205750	27913	130

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No.of farmers
Integrated Nutrient Management	BT Cotton	Assessment of nutrient management in Bt cotton	10	10
Varietal Evaluation	Carrot	Assessment of improved variety of carrot	06	06
	Cowpea	Assessment of improved variety of cowpea for vegetable purpose	20	20
Integrated Disease Management	Lime	Assessment of Fojetile 80% WD funficide for the management of Gummosis diseases in lime	06	06
	Cumin	Assessment of IDM module for the management of wilt disease in cumin	08	08
Resource Conservation Technology	Wheat	Assessment of sowing method in wheat	10	10
		Assessment of soil moisture conservation technologies (Pusa Hydrogel) in wheat crop	10	10
Total			**70**	**70**

Summary of technologies assessed under livestock by KVKs - Nil

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	-	-	-	-
Evaluation of Breeds	-	-	-	-
Feed and Fodder management	-	-	-	-
Nutrition Management	-	-	-	-
Production and Management	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total			-	-

Summary of technologies assessed under various enterprises by KVKs - Nil

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
-	-	-	-	-
	-	-	-	-

I.B. TECHNOLOGY REFINEMENT - Nil

Summary of technologies refined under various crops by KVKs

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management	-	-	-	-
Varietal Evaluation	-	-	-	-
Integrated Pest Management	-	-	-	-
Integrated Crop Management	-	-	-	-
Integrated Disease Management	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-
Weed Management	-	-	-	-
Resource Conservation Technology	-	-	-	-
Farm Machineries	-	-	-	-
Integrated Farming System	-	-	-	-
Seed / Plant production	-	-	-	-
Value addition	-	-	-	-
Drudgery Reduction	-	-	-	-
Storage Technique	-	-	-	-
Others (Pl. specify)	-	-	-	-
	Total	-	-	-

Summary of technologies refined under various livestock by KVKs – Nil

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials	No. of farmers
Disease Management	-	-	-	-
Evaluation of Breeds	-	-	-	-
Feed and Fodder management	-	-	-	-
Nutrition Management	-	-	-	-
Production and Management	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total			-	-

Summary of technologies refined under various enterprises by KVKs - Nil

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
-	-	-	-	-
	-	-	-	-

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

(a) Technology Assessment :-

INTEGRATED CROP MANAGEMENT

Technology Assessed - 01

Name of crop –Carrot
Name of technology – Assessment of improved variety of carrot

Problem :- Low yield of Carrot due to use of local variety (Patan Local)
Technology assessed :-

T1: Farmer practices - Use of Local varieties- Patan Local
T2: (Recommended Technology- I) - Improved variety of carrot- GDC-1
T3: (Recommended Technology- II) - Improved variety of carrot- Pusa Rudhira

Table :- Performance of technology

Technology Option	No.of trials	Yield (qt/ha)	Net Return (Rs. /ha)
T1: Farmer practices Use of Local varieties- Patan Local	06	248.67	126100
T2: (Recommended Technology- I) Improved variety of carrot- GDC-1		283.17	146571
T3: (Recommended Technology- II) Improved variety of carrot- Pusa Rudhira		289.50	150563

Technology Assessed - 02

Name of crop –Cowpea
Name of technology – Assessment of improved variety of cowpea for vegetable purpose

Problem :- Low yield of Cowpea due to use of old variety (Pusa falguni)
Technology assessed:-

T1: Farmer practices - Use of Local varieties- Pusa falguni
T2: (Recommended Technology- I) - Improved variety of Cowpea- GDVC-2
T3: (Recommended Technology- II) - Improved variety of Cowpea- Kashi Kanchan

Table :- Performance of technology

Technology Option	No. of trials	Yield (qt/ha)	Net Return (Rs. /ha)
T1: Farmer practices Use of Local varieties- Pusa falguni	20	**Result awaited**	
T2: (Recommended Technology- I) Improved variety of cowpea- GDVC-2			
T3: (Recommended Technology- II) Improved variety of cowpea – Kashi Kanchan			

PEST AND DISEASE MANAGEMENT

Technology Assessed - 01

Name of crop –Lime

Name of technology – Assessment of Fojetile 80% WD fungicide for the management of Gummosis diseases in lime

Problem :- Low fruit yield of lime due to heavy incidence of Gummosis disease

Technology assessed :-

T1: Farmer practices - Cutting of dry & diseases twigs of the plant & no use of any fungicide

T2: (Recommended Technology- I) - Spraying of Fojetile 80% WD @ 20gm./15 lit water immediately after the cutting of dry / disease twigs of the plants (2 sprays in 12-15 days interval)

Table :- Performance of technology

Technology Option	No.of trials	Incidence of Gummosis (%)	Yield (kg./ha.)	% Increase in yield Over farmers practice
T1: Farmer practices Cutting of dry & diseases twigs of the plant & no use of any fungicide	06	Result is awaited		
T2: : (Recommended Technology- I) Spraying of Fojetile 80% WD @ 20gm./15 lit water immediately after the cutting of dry / disease twigs of the plants (2 sprays in 12-15 days interval)				

Technology Assessed - 02

Name of crop –Cumin

Name of technology – Assessment of IDM module for the management of wilt disease in cumin

Problem :- Low yield of cumin due to heavy incidence of wilt disease

Technology assessed :-

T1: Farmer practices - No seed & Soil treatment by fungicide & spraying of Mancozeb 75 wp at disease incidence

T2: (Recommended Technology- I) - Seed treatment by *Trichoderma viridae* @ 10g/ Kg along with soil inoculationby *Trichoderma viridae* @ 2.5 kg./ha.

Table :- Performance of technology

Technology Option	No. of trials	Incidence of Gummosis (%)	Yield (kg./ha.)	% Increase in yield Over farmers practice
T1: Farmer practices - No seed treatment by fungicide - Spraying of Mancozeb 75 wp at disease incidence	08	17.2	703	-
T2: Assessed technology Seed treatment by *Trichoderma viridae* @ 10g./ kg. and soil inoculation by *Trichoderma viridae* @ 2.5 kg./ha.		7.1	920	30.8

INTERGATED NUTRIENT MANAGEMENT

Technology Assessed - 01

Name of crop –Cotton
Name of technology – Assessment of nutrient management in Bt cotton
Problem :- Low yield Bt cotton due to imbalance use of plant nutrient
Technology assessed :-

T1: Farmer practices - Fertilizer Dose : 160 – 200 kg N + 100 kg P per ha.
T2: (Recommended Technology- I) - 240 kg N + 40 kg P per ha. + Three sprays of 3% KNO3 at flowering, Ball formation & Ball development stage

Table :- Performance of technology

Technology Option	No.of trials	Yield (qt/ha)	B:C Ratio
T1: Farmer practices Fertilizer Dose : 160 – 200 kg. N + 100 kg P per ha.	10	24.9	3.8
T2: (Recommended Technology- I) 240 kg N + 40 kg P per ha. + Three sprays of 3% KNo3 at flowering, Ball formation & Ball development stage		28.4	4.2

RESOURCE CONSERVATION

Technology Assessed - 01

Name of crop –Wheat
Name of technology – Assessment of soil moisture conservation technologies (Pusa Hydrogel) in wheat crop
Problem :- Low yield wheat due to moisture stress condition at critical stage in Wheat
Technology assessed :-

T1: Farmer practices - No use of Soil conditioner
T2: (Recommended Technology- I) - Use of Soil conditioner (Pusa Hydrogel) @ 2.5 kg./ha. with basal dose

Table :- Performance of technology

Technology Option	No.of trials	Yield (qt/ha)	Net Return (Rs./ha.)	B:C Ratio
T1: Farmer practices No use of Soil conditioner	10	36.5	44660	2.6
T2: Technology for Assessment Use of Soil conditioner (Pusa Hydrogel) @ 2.5 kg./ha. with basal dose		41.7	52140	2.7

Technology Assessed - 02

Name of crop –Wheat

Name of technology – Assessment of sowing method in wheat

Problem :- Low yield of wheat due to broad casting of seed & use of high seed rate (160Kh/ha)

Technology assessed :-

T1: Farmer practices -Broad casting method of sowing with high seed rate-160 kg./ha.

T2: (Recommended Technology- I) - Line sowing method through seed cum ferti dril with recommended seed rate-125 kg./ha.

Table :- Performance of technology

Technology Option	No.of trials	Yield (qt/ha)	Increase in yield (%)	Net Return (Rs./ha.)	B:C ratio
T1: Farmer practices Broad casting method of sowing with seed rate-160 kg./ha.	10	36.3	17.4	44360	2.6
T2: Technology for Refinement Line sowing method through seed cum ferti dril with seed rate-125 kg./ha.		42.6		55070	2.8

(b) Technology Refinement:-

-----NIL------

II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2015-16 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
12	Green-gram	ICM	G.M.-4	Training, Demo., Field visit Field day	35	202	131
3	Castor	ICM	GCH-7	Training, Demo., Field visit Field day, Farmers fair	74	1950	1175
4	Cumin	ICM	GC-4	Training, Demo., Field visit Field day, Farmers fair	53	1270	750
5	Cumin	Bio-agent	*Trichoderma viridae*	Training, Demo., Field visit Field day, Farmers fair	28	160	145
6	Wheat	ICM	GW-366	Training, Demo., Field visit Field day	25	225	70
7	Fennel	ICM	GF-12	Training, Demo., Field visit Field day	45	650	300
8	Mustard	Nutrient management	Sulphar fertilizer	Training, Demo., Field visit Field day	17	75	55
9	Fennel	IDM	Mancozeb 75 wp	Training, Demo., Field visit Field day	20	200	52
10	Wheat	IPM	Fipronil 5SC	Training, Demo., Field visit Field day	24	96	25

b. Details of FLDs implemented during 2016-17 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl. No.	Crop	Thematic Area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Cereals										
1.	Wheat	IPM	Seed treatment by Fipronil 5% SC @ 600ml/5 lit. water/100kg. seed	Rabi-2016-17	10	10	-	25	25	-
2.	Wheat	ICM	Improve variety (GW-451)+ Seed treatment by Carbendezim 1 gm./kg. seed & Fipronil 5SC @ 600 ml /5 lit. water / 100kg. seed + RDF along with Zinc sulphate 8kg./ha.& Ferrous sulphate	Rabi-2016-17	15	10	01	24	25	-
Horticultural Crops										
1.	Chilli	INM	Micronutrient (G-4) @ 2 Kg/ ha	Kharif-2016-17	15	05	-	20	20	-
2.	Cumin (Var.)	ICM	Improved variety of cumin GC-4	Rabi-2016-17	15	10	-	24	24	-
3.	Cumin (IDM)	IDM	Three spay of carbendazim 12% + Mancozeb 63% @ 1.5 Kg/ha at 45,60 & 75 DAS	Rabi-2016-17	05	05	01	19	20	-
4.	Fennel (IDM)	IDM	Three spay of carbendazim 12% + Mancozeb 63% @ 1.5 Kg/ha at 45,60 & 75 DAS	Rabi-2016-17	05	05	02	18	20	-
5.	Fennel (Var.)	ICM	Improved variety of Fennel - GF-12	Rabi-2016-17	15	15	-	38	38	-
6.	Pomegranate	INM	Foliar spray Borex @ 1Kg/ha	Rabi-2016-17	05	05	-	20	20	-
7.	Ajwain	ICM	Improved variety of Ajwain - Var. Guj.Ajwain-2	Rabi-2016-17	05	05	-	20	20	-
Oil seeds										
1.	Sunhemp-	INM	Sunhemp (seed @ 60 kg./ha.) as a	Kharif-2016-	05	05	-	20	20	-

	Castor		green gram + Castor as a main crop	17						
2.	Castor	ICM	Hybrid Variety of castor -GCH-7	Kharif-2016-17	15	15	02	43	45	
3.	Groundnut (NMOOP)	ICM	Improved variety (GG-20) + Seed treatment with fungicide + Seed inoculation with bio fertilizer + RDF + Timely plant protection	Kharif-2016-17	20	20	03	77	80	
4.	Mustard (NMOOP)	ICM	Improved variety (GDM-4) + Seed treatment with fungicide + RDF + Timely irrigation + Timely plant protection	Rabi-2016-17	20	20	07	43	50	
Pulses										
1.	Green-gram (NFSM)	Varietal evaluation INM + IPM	Improved variety (GAM-5) +Seed treatment by Fungicide and Bio-fertilizer + RDF + Sulphur + IPM module	Kharif-2016-17	20	20	01	79	80	-
2.	Chickpea (NFSM)	INM IPM	Soil inoculation of Trichoderma @ 2.5 kg/ha + Pheroman trap + RDF + Bio-fertilizer + Profenophos 50 EC	Rabi-2016-17	20	20	03	47	50	-
Cotton										
-	-	-	-	-	-	-	-	-	-	-
Commercial crops										
01	Kitchen garden-	Nutritional security	Kitchen garden	-	-	-	02	18	20	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Cereals											
Wheat	Rabi-2016-17	Irrigated	Sandy Sandy loam	L	L	M	Green-gram Black-gram	27/11/2016 to 30/11/2016	25/3/2017 to 3/4/2017	-	-
Wheat	Rabi-2016-17	Irrigated	Sandy Sandy loam	L	L	M	Green-gram/ Fodder	25/11/2016 to 30/11/2016	03/04/2017 to 10/4/2017	-	-
Horticultural crops											
Chilli	Kharif 2016-17	Irrigated	Loamy soil	L	L	M	Bajara	15/7/2016 to 20/7/2016	15/3/2017 to 31/3/2017	510	10
Cumin (Var.)	Rabi-2016-17	Rainfed	Saline Soil	L	L	M	-	20/11/2016 To 25/11/2016	28/2/2017 To 10/3/2017		
Cumin (IDM)	Rabi-2016-17	Rainfed	Medium Black	L	L	M	Jowar	10/11/2016 to 14/11/2016	11/3/2017 to 14/3/2017		
Fennel (IDM)	Rabi-2016-17	Irrigated	Medium Black	L	L	M	Jowar	20/10/2016 to 25/10/2016	15/4/2017 to 22/4/2017		
Fennel (Var.)	Rabi-2016-17	Irrigated	Medium Black	L	L	M	Pulses	20/10/2016 to 25/10/2016	15/4/2017 to 22/4/2017		
Pomegranate	Rabi-2016-17	Irrigated	Sandy loam to medium black	L	L	M	-	-	-	-	-
Ajwain	Rabi-2016-17	Irrigated	Medium Black	L	L	M	Pulses	10/10/2016 to 20/10/2016	15/3/2017 to 30/3/2017	-	
Oil seeds											
Sunhemp-Castor	Kharif	Irrigated	Medium Black	L	L	M	Fallow	20/06/2016 to 14/07/2016 (Sunhemp) 16/08/2016 to 30/08/2016 (Castor)	-	510	10

									-		
Castor	Kharif	Irrigated	Medium Black	L	L	M	Fodder crop	16/8/2016 to 30/8/2016	-	510	10
Groundnut (NMOOP)	Kharif	Irrigated	Sandy to Sandy Loam	L	L	M	Bajara	20/06/2016 to 14/07/2016	10/10/2016 to 9/11/2016	510	10
Mustard (NMOOP)	Rabi	Irrigated	Sandy Loam	L	L	M	Pulses crop	28/10/2016 to 5/11/2016	3/3/2017 to 10/3/2017		
Pulses											
Green-gram (NFSM)	Kharif	Irrigated	Sandy Loam Medium Black	L	L	M	-	14/7/2016 to 22/7/2016	25/9/2016 to 4/10/2016	510	10
Chickpea (NFSM)	Rabi	Rainfed	Loamy Medium Black	L	L	M	Chickpea/ Cumin	16/10/2016 to 25/10/2016	9/2/2017 to 20/2/2017		
Cotton											
-	-	-	-	-	-	-	-	-	-	-	-
Commercial crops											
Kitchen garden	-	-	-	-	-	-	-	-	-	-	-

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Need to develop improved /hybrid variety of what, Cumin, Funnel, Azawain, Castor, Groundnut, Mustard, Green gram & Chickpea
2	Need to develop climate resilient technologies/ varieties
3	Need to develop of crop based complex fertilizer
4	Need to develop INM module on cropping system
5	Need to develop water soluble complex fertilizer as per crop for foliar spray.
6	Need to develop drought tolerant/ resistant variety.
7	Need to develop IPM module for the management of major insect in vegetable crop.
8	Need to develop to resistant variety against disease & insect.

Farmers' reactions on specific technologies

S. No	Feed Back
	Cereals
1.	Farmers are observe , under technology (seed treatment by Fipronil 5 % SC) termite infestation is very low in comparison to their own practice, resulted enhance the productivity of wheat crop
2.	Farmers observe good growth of plant, no lodging & more no of tillers are found in improved variety of wheat (GW-451)
	Horticultural crops
1.	Chilli : Good growth during the season and good quality of fruits due to spraying of Micronutrient (Zn,Mn,Fe,Cu,B)
2.	Cumin (Var.) :GC-4 variety have less incidence of blight disease & also high yielding
3.	Cumin (IDM) : Spraying of SAAF (Carbendazim 12% + Mancozeb 63%) reduce the disease incidence
4.	Fennel (IDM) : Spraying of SAAF (Carbendazim 12% + Mancozeb 63%) reduce the disease incidence
5.	Fennel (Var.) : GF-12 variety is high yielding
6.	Pomegranate : reduce the fruit cracking
7.	Ajwain : No. of umbels per plants and seed per umbels are comparatively more over old/ local variety
	Oil seeds
1.	Use Sunhemp as a green manure to reduce the dose of fertilize & enhance FUE in Castor resulted enhance the profitability
2.	Castor : GCH-7 variety having excellent growth & more yield over their own practice
3.	Groundnut (NMOOP) : GG-20 variety having excellent growth & more yield over their own practice
4.	Mustard (NMOOP) : GDM-4 variety having excellent growth & more yield over their own practice
	Pulses
1.	Green-gram (NFSM) :GAM-5 variety having excellent growth & more yield over their old/ local variety :Taste of grain is comparatively sweet than local/ old varieties
2.	Chickpea (NFSM): Under technology reduce the wilt incidence & pod borer infestation resulted enhance the productivity
	Cotton
-	-
	Commercials crops
1.	Kitchen garden

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1.	**Farmer Training-**				
	Wheat (IPM)	01	25/11/2016	25	
	Wheat (ICM)	02	23/11/2016 06/01/2017	30 24	
	Sunhemp-Castor	02	14/06/2016 18/03/2017	20 54	
	Castor	03	10/08/2016 11/8/2016 12/08/2016	15 12 20	
	Groundnut (NMOOP)	03	06/06/2016 8-9/06/2016 10/06/2016	24 30 33	
	Mustard (NMOOP)	02	25/10/2016 27/10/2016	25 25	
	Chilli	03	25-26/05/2016 15/07/2016 28/08/2016	15 17 20	- - -
	Cumin (Var.)	02	08/11/2016 18/11/2016	22 26	- -
	Cumin (IDM)	02	24/11/2016 07/12/2016	20 21	- -
	Green-gram (NFSM)	03	01/07/2016 05/07/2016 07/07/2016	23 15 42	- - -
	Chickpea (NFSM)	04	20/10/2016 08/11/2016 17/11/2016 30/11/2016	26 20 29 21	-

		Fennel (IDM)	01	09/12/2016	20	
		Fennel (Var.)	02	21/10/2016 27/10/2016	19 19	
		Ajwain	03	27/09/2016 07/10/2016 09/02/2017	17 22 17	
		Kitchen garden	03	19/10/2016 18/11/2016 27/02/2017	19 20 20	
2.	Field day-	Wheat (IPM)	01	20/03/2017	44	-
		Wheat (ICM)	01	23/03/2017	42	
		Sun hemp-Castor	-	-	-	
		Castor	01	07/03/2017	29	
		Groundnut(NMOOP)	02	07/09/2016 05/10/2016	38 34	
		Mustard (NMOOP)	01	16/02/2017	34	
		Chilli	01	29/12/2016	17	-
		Cumin (Var.)	01	07/03/2017	47	-
		Cumin (IDM)	01	10/03/2017	40	-
		Green-gram (NFSM)	04	05/05/2016 27/05/2016 14/09/2016 20/09/2016	50 36 30 32	- -
		Chickpea (NFSM)	02	12/01/2017 01/02/2017	41 41	
		Fennel (IDM)	01	09/03/2017	29	
		Fennel (Var.)	01	10/03/2017	27	
		Ajwain (Var,)	01	08/03/2017	24	
		Kitchen garden	-	-	-	

3.	Field visits	Wheat (IPM)	02	27/01/2017 09/02/2017	11 08	
		Wheat (ICM)	04	20/12/2016 14/02/2017 23/02/2017 11/03/2017	15 10 12 06	
		Sun hemp-Castor	05	21/06/2016 04/08/2016 27/09/2016 29/10/2016 09/02/2017	07 06 12 07 08	
		Castor	02	10/02/2017 11/02/2017	09 04	
		Groundnut(NMOOP)	08	02/07/2016 13/07/2016 16/08/2016 09/09/2016 14/09/2016 16/09/2016 17/09/2016 22/09/2016	14 21 27 23 16 19 07 04	
		Mustard (NMOOP)	09	29/10/2016 27/12/2016 17/01/2017 17/01/2017 18/01/2017 09/02/2017 10/02/2017 14/02/2017 23/2/2017	9 8 16 18 25 11 14 13 12	
		Chilli	07	12/07/2016	04	

			15/07/2016 16/09/2016 22/11/2016 29/11/2016 29/12/2016 14/02/2017	04 02 04 04 04 02	
	Cumin (Var.)	03	12/01/2017 11/02/2017 14/02/2017	06 04 02	
	Cumin (IDM)	03	24/11/2016 06/01/2017 14/02/2017	07 05 08	
	Green-gram (NFSM)	04	29/6/2016 11/7/2016 12/8/2016 14/9/2016	08 07 09 10	
	Chickpea (NFSM)	05	29/11/2016 24/12/2016 02/01/2017 17/01/2017 21/02/2017	13 09 12 09 13	
	Fennel (IDM)	03	24/11/2016 06/01/2017 14/2/2017	07 05 05	
	Fennel (Var.)	04	29/12/2016 10/01/2017 10/03/2017 27/03/2017	06 06 06 05	
	Ajwain (Var.)	03	29/11/2016 09/02/2017 27/03/2017	06 07 04	

	Kitchen garden	04	23/11/2016 25/11/2016 15/12/2016 03/20/2017	18 02 18 04	

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop/Year	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Sunhemp-Castor	INM	Sunhemp seed @ 60kg./ha as a green gram & timely sowing of castor	GCH-7	20	05	35.8	31.5	34.3	28.7	19.5	31780	157780	126000	5.0	28360	132020	103660	4.6
Castor	Varietal demo	Hybrid variety of castor - GCH-7	GCH-7	45	15	34.1	29.8	32.4	28.4	14.1	29650	145800	116150	4.9	28800	127800	99000	4.4
Groundnut (NMOOP)	ICM	Improved variety (GG-20) + -Seed treatment with fungicide + seed inoculation with culture –Rhizobium, PSB & KMB + RDF + Timely Weed management + Timely plant Protection	GG-20	80	20	19.7	13.9	16.8	13.4	25.37	21680	58800	37120	2.71	18160	46900	28740	2.58
Mustard (NMOOP)	ICM	Improved variety (DM-4) + Seed treatment by fungicide +-Seed inoculation with culture -RDF along with 20kg/ha Bentonite sulphar + - Water management + Timely Plant Protection	GDM-4	50	20	20.6	16.0	17.52	14.42	21.49	17214	61320	44106	3.6	15744	50470	34726	3.2

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Green-gram (NFSM)	Varietal evaluation INM IPM	Improved variety (GAM-5) + Seed treatment by Fungicide +seed inoculation with Bio-fertilizer + RDF + -Sulphur +IPM module	GAM-5	80	20	12.8	5.2	9.2	7.6	21.05	19790	55200	35410	2.79	17670	45600	27930	2.58
Chickpea (NFSM)	INM IPM	Soil inoculation of Trichoderma @ 2.5 kg/ha + Pheroman trap + RDF + Bio-fertilizer + Profenophos 50 EC	-	50	20	17.2	11.5	14.4	11.2	28.6	24200	75600	51400	3.12	22100	58800	36700	2.66

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmer	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Name of parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Av.													
Cereals																				
Wheat (IPM)	IPM	Seed treatment by Fipronil 5% SC @600ml/5 lit. water for 100kg. seed	25	10	41.6	32.8	37.2	31.3	19.2	Termite infestation (%)	7.4	16.2	31600	70680	39080	2.24	29200	59280	30080	2.03
Wheat (ICM)	ICM	Improved variety (GW-451) + Seed treatment by Carbendezim 2 gm./seed & Fipronil 5% SC @ 600 ml/5 lit. water for 100kg. seed + RDF (N,P,K,Zn & Fe)	25	10	43.4	38.8	41.4	36.7	12.8	No of tillers / Plant	4.2	3.8	30150	86940	56790	2.9	28220	77070	48850	2.7
Vegetable																				
Chilli	INM	Foliar spray of Micronutrient (G-4) @ 2 Kg/ha	20	05	240	210	223.4	203.25	9.91	-	-	-	76240	167550	91310	2.20	75325	152437.5	77112.5	2.02
Spices & condiments																				
Cumin (Var.)	ICM	Improved variety of cumin - GC-4	24	10	11.6	8.6	10.02	8.29	20.8	No of amble/ plant	20.5	15.9	35921	150250	114329	4.18	32650	124375	91725	3.81
Cumin (IDM)	IDM	Three spay of carbendazim 12% + Mancozeb 63% @ 1.5 Kg/ha at 45,60 & 75 DAS	20	05	10.8	7.3	8.6	6.4	34.4	Blight incidence (%)	4.6	13.2	34330	137600	103270	4.01	32900	102400	69500	3.11
Fennel (IDM)	IDM	Three spay of carbendazim 12% + Mancozeb 63% @ 1.5 Kg/ha at	20	05	20.2	13.6	16.5	13.7	20.43	Blight incidence (%)	5.9	19.8	30700	92813	62113	3.02	29600	77062	47462	2.60

		45,60 & 75 DAS																		
Fennel (Var.)	ICM	Improved variety of - G.F-12	38	15	16.0	13.7	15.0	13.2	14.0	No of ambel/ plants	17.2	20.4	34212	84434	50222	2.47	33322	74148	40825	2.23
Ajavain	ICM	Improved variety – GA-2	20	05	13.6	11.6	12.5	10.7	16.8				24905	50184	25279	2.0	24360	42680	18320	1.8
Fruit plant																				
Pomegan ate	INM	Borex @ 1 Kg/ha	20	05	**Result Awaited**															

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

FRONT LINE DEMONSTRATION

F.L.D.-CASTOR (Var.GCH-7)

F.L.D.-WHEAT (Var.GW-451)

F.L.D.-FENNEL (Var. GF-12)

F.L.D.-CUMIN (IDM)

F.L.D.-CHILLI (Micronutrient)

F.L.D.-CHICKPEA

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buffalo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buffalo Calf	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep & Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vaccination	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed Manage-ment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit				
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Oyster Mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize Sheller	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi Compost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
-	-	-	-	-	-

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land prepara-tion	Sowing	Weeding	Total	Land prepa ration	Labour	Irriga-tion	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demons ration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen garden	House food security	Kitchen garden	20	20	Results awaited												

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during 2015-16)*

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop	Hybrid variety + Full package	GCH-7	45	15	34.1	29.8	32.4	28.4	14.1	29650	145800	116150	4.9

Note : Remove the Enterprises/crops which have not been shown

NMOOP & NFSM

Results of Oilseed & Pulses demonstration organized during – Year 2016-17

1. NMOOP : Year – 2016-17 Groundnut

Name of crop : Groundnut

Area : 20 ha.

No.of demonstration : 80 No.

Technology used for Demonstration : Groundnut variety (GG-20)

Technological packages : -Seed variety-GG-20

Performance of the Demonstration (NMOOP) :

(A) Technical Parameter :-

Name of the crop	Variety		Av.yield (qt./ha.)		Increase in yield qt./ha. (%)
	Existing	Demonstration	Farmers	Demonstration	
Groundnut	GG-2	GG-20	13.4	16.8	25.37

(B) Economic Parameter :-

Variety Demonstration	Farming existing plot				Demonstration plot			
	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.ration	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C. ratio
Groundnut (GG-20)	18160	46900	28740	2.58	21680	58800	37120	2.71

(C) Extension Activities under F.L.D. Oilseed (NMOOP) :-

Sr.No.	Name of Ext. Activity	No.of activities	No.of beneficiaries
1.	Training	03	87
2.	Field days	02	72
3.	Field visits	08	131

ACTION PHOTOGRAPHS

(CLUSTER DEMONSTRATION NMOOP (GROUNDNUT))

TRAINING PROGRAMME

CRITICAL INPUT DISTRIBUTION

DATA COLLECTION

FIELD DAY-GROUNDNUT

Results of Oilseed & Pulses demonstration organized during – Year 2016-17

2. NMOOP : Year – 2016-17 Mustard

Name of crop : Mustard

Area : 20 ha.

No.of demonstration : 50 No.

Technology used for Demonstration :
-Mustard variety-GDM-4
-INM
-IPM
-IDM

Technological packages :
-Variety-GDM-4
-Bentonite sulphur
-Bio-fertilizer (NPK)

Performance of the Demonstration (NMOOP) :

(A) Technical Parameter :-

Name of the crop	Variety		Av.yield (qt./ha.)		Increase in yield qt./ha. (%)
	Existing	Demonstration	Farmers	Demonstration	
Mustard	GM-1	GDM-4	14.42	17.52	21.49

(B) Economic Parameter :-

Variety Demonstration	Farming existing plot				Demonstration plot			
	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.ration	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.ration
Mustard (GDM-4)	15744	50470	34726	3.2	17214	61320	44106	3.6

(C) Extension Activities under F.L.D. Oilseed (NMOOP) :-

Sr.No.	Name of Ext. Activity	No.of activities	No.of beneficiaries
1.	Training	02	50
2.	Field days	01	34
3.	Field visits	09	126

ACTION PHOTOGRAPHS

(CLUSTER DEMONSTRATION NMOOP (MUSTARD))

TRAINING PROGRAMME

CRITICAL INPUT DISTRIBUTION

DATA COLLECTION

FIELD DAY-MUSTARD

Results of Oilseed & Pulses demonstration organized during – Year 2016-17

1. NFSM : Year – 2016-17 (Kharif) Green gram

Name of crop : Green-gram

Area : 20 ha.

No.of demonstration : 80 No.

Technology used for Demonstration :
-Variety-GAM-5
-IDM
-IPM
-INM

Technological packages :
-Variety GAM-5
-Liquid Bi-fertilizer (NPK)
-Bentonite sulphur
-Micronutrients (sardar amin)
-Neem Oil (300 ppm)
-Pheroman trap

Performance of the Demonstration (NFSM) :

(A) Technical Parameter :-

Name of the crop	Variety		Av.yield (qt./ha.)		Increase in yield qt./ha. (%)
	Existing	Demonstration	Farmers	Demonstration	
Green-gram	K-851 & GM-4	GAM-5	7.6	9.2	21.05

(B) Economic Parameter :-

Variety Demonstration	Farming existing plot				Demonstration plot			
	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.ration	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.R.
Green-gram (GAM-5)	17670	45600	27930	2.58	19790	55200	35410	2.79

(C) Extension Activities under F.L.D. Oilseed (NMOOP) :-

Sr.No.	Name of Ext. Activity	No.of activities	No.of beneficiaries
1.	Training	03	80
2.	Field days	02	62
3.	Field visits	04	34

ACTION PHOTOGRAPHS

(CLUSTER DEMONSTRATION NFSM GREENGRAM)

TRAINING PROGRAMME

CRITICAL INPUT DISTRIBUTION

FIELD VISIT

FIELD DAY-GREENGRAM

Results of Oilseed & Pulses demonstration organized during – Year 2016-17

2. NFSM : Year – 2016-17 (Rabi) Chickpea

Name of crop : Chickpea

Area : 20 ha.

No.of demonstration : 50 No.

Technology used for Demonstration : Soil inoculation of Trichoderma@ 2.5 kg/ha + Pheroman trap+ RDF + Bio-fertilizer + Profenophos 50 EC

Technological packages : -Seed treatment & Soil inoculation by Trichoderma
-NPK Bio-fertilizer
-Pheroman trape with Helilure
-Neem oil
-Profenophos -50EC

Performance of the Demonstration (NFSM) :

(A) Technical Parameter :-

Name of the crop	Variety		Av.yield (qt./ha.)		Increase in yield qt./ha. (%)
	Existing	Demonstration	Farmers	Demonstration	
Chickpea	GG-3	GG-3	11.2	14.4	28.6

(B) Economic Parameter :-

Variety Demonstration	Farming existing plot				Demonstration plot			
	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.ration	Gross cost (qt./ha.)	Gross return (Rs./ha.)	Net Return (Rs./ha.)	B.C.ration
Chickpea	22100	58800	36700	2.66	24200	75600	51400	3.12

(C) Extension Activities under F.L.D. Oilseed (NMOOP) :-

Sr.No.	Name of Ext. Activity	No.of activities	No.of beneficiaries
1.	Training	04	96
2.	Field days	02	82
3.	Field visits	05	56

ACTION PHOTOGRAPHS

(CLUSTER DEMONSTRATION NFSM CHICKPEA)

TRAINING PROGRAMME

FIELD VISIT- CHICKPEA

FIELD DAY- CHECKPEA

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	01	32	-	32	01	-	01	33	-	33
Micro Irrigation/ irrigation	01	11	-	11	01	-	01	12	-	12
Integrated Crop Management	07	170	-	170	11	-	11	181	-	181
Soil & water conservation	01	20	-	20	-	-	-	20	-	20
Integrated nutrient management	03	38	-	38	02	-	02	40	-	40
Production of organic inputs										
Others (pl specify)										
Total	**13**	**271**	**-**	**271**	**14**	**-**	**14**	**285**	**-**	**285**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops	01	20	-	20	-	-	-	20	-	20
Off-season vegetables										
Nursery raising	01	20	-	20	-	-	-	20	-	20
Total (a)	**02**	**40**	**-**	**40**	**-**	**-**	**-**	**40**	**-**	**40**
b) Fruits										
Cultivation of Fruit	01	21	-	21	-	-	-	21	-	21
Total (b)	**01**	**21**	**-**	**21**	**-**	**-**	**-**	**21**	**-**	**21**
c) Spices										
Production and Management technology	04	86	-	86	-	-	-	86	-	86
Processing and value addition										
Others (pl specify)										
Total (c)	**04**	**86**	**-**	**86**	**-**	**-**	**-**	**86**	**-**	**86**
GT (a-c)	**07**	**147**	**-**	**147**	**-**	**-**	**-**	**147**	**-**	**147**
III Soil Health and Fertility Management										
Total										
IV Livestock Production and Management										
Feed & fodder technology	01	19	-	19	-	-	-	19	-	19
Production of quality animal products										
Total	**01**	**19**	**-**	**19**	**-**	**-**	**-**	**19**	**-**	**19**

V Home Science/Women empowerment										
Value addition	06	03	107	110	-	28	28	03	135	138
Rural Crafts	02	-	17	17	-	15	15	-	32	32
Total	**08**	**03**	**124**	**127**	**-**	**43**	**43**	**03**	**167**	**170**
VI Agril. Engineering										
Total										
VII Plant Protection										
Integrated Pest Management	05	126	-	126	08	-	08	134	-	134
Integrated Disease Management	04	89	-	89	05	-	05	94	-	94
Total	**09**	**215**	**-**	**215**	**13**	**-**	**13**	**228**	**-**	**228**
VIII Fisheries										
Total										
IX Production of Inputs at site										
Total										
X Capacity Building and Group Dynamics										
Total										
XI Agro-forestry										
Others (pl specify)										
Total										
GRAND TOTAL	**38**	**655**	**124**	**779**	**27**	**43**	**70**	**682**	**167**	**849**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	02	53	-	53	01	-	01	54	-	54
Resource Conservation Technologies	01	14	-	14	-	-	-	14	-	14
Micro Irrigation/irrigation	01	21	-	21	-	-	-	21	-	21
Integrated nutrient management	01	18	-	18	-	-	-	18	-	18
Production of organic inputs	01	28	-	28	04	-	04	32	-	32
Others (pl specify) Post harvest technology	01	56	-	56	01	-	01	57	-	57
Total	**07**	**190**	**-**	**190**	**06**	**-**	**06**	**196**	**-**	**196**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	03	58	-	58	-	-	-	58	-	58
Others (pl specify)	01	21	08	29	08	08	16	29	16	45
Total (a)	**04**	**79**	**08**	**87**	**08**	**08**	**16**	**87**	**16**	**103**
b) Fruits										
Cultivation of Fruit	02	43	-	43	-	-	-	43	-	43
Total (b)	**02**	**43**	**-**	**43**	**-**	**-**	**-**	**43**	**-**	**43**
c) Spices										
Production and Management technology	03	56	-	56	-	-	-	56	-	56
Total (c)	**03**	**56**	**-**	**56**	**-**	**-**	**-**	**56**	**-**	**56**
GT (a-c)	**09**	**178**	**08**	**186**	**08**	**08**	**16**	**186**	**16**	**202**
III Soil Health and Fertility Management										
Soil fertility management	01	64	-	64	-	-	-	64	-	64
Management of Problematic soils	01	21	-	21	02	-	02	23	-	23
Total	**02**	**85**	**-**	**85**	**02**	**-**	**02**	**87**	**-**	**87**
IV Livestock Production and Management										
Dairy Management	01	-	28	28	-	-	-	-	28	28
Disease Management	01	04	27	31	-	-	-	04	27	31
Feed & fodder technology	04	90	06	96	-	-	-	90	06	96
Total	**06**	**94**	**61**	**155**	**-**	**-**	**-**	**94**	**61**	**155**
V Home Science/Women empowerment										
Kitchen gardening	02	-	37	37	-	02	02	-	39	39
Processing and cooking	01	-	14	14	-	11	11	-	25	25

Gender mainstreaming through SHGs	01	-	29	29	-	03	03	-	32	32
Storage loss minimization techniques	01	-	24	24	-	01	01	-	25	25
Value addition	02	-	37	37	-	-	-	-	37	37
Location specific drudgery reduction technologies	01	-	-	-	-	21	21	-	21	21
Women and child care	01	-	31	31	-	-	-	-	31	31
Total	**09**	**-**	**172**	**172**	**-**	**38**	**38**	**-**	**210**	**210**
VI Agril. Engineering										
Total										
VII Plant Protection										
Integrated Pest Management	06	132	-	132	08	-	08	140	-	140
Integrated Disease Management	04	84	-	84	01	-	01	85	-	85
Bio-control of pests and diseases	02	37	-	37	-	-	-	37	-	37
Total	**12**	**253**	**-**	**253**	**09**	**-**	**09**	**262**	**-**	**262**
VIII Fisheries										
Total										
IX Production of Inputs at site										
Total										
X Capacity Building and Group Dynamics										
Total										
XI Agro-forestry										
Total										
GRAND TOTAL	**45**	**800**	**241**	**1041**	**25**	**46**	**71**	**825**	**287**	**1112**

Farmers' Training including sponsored training programmes –Conducted

(On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	03	85	-	85	02	-	02	87	-	87
Resource Conservation Technologies	01	14	-	14	-	-	-	14	-	14
Micro Irrigation	02	32	-	32	01	-	01	33	-	33
Integrated Crop Management	07	170	-	170	11	-	11	181	-	181
Soil & water conservation	01	20	-	20	-	-	-	20	-	20
Integrated nutrient management	04	56	-	56	02	-	02	58	-	58
Production of organic inputs	01	28	-	28	04	-	04	32	-	32
Others (pl specify) Post Harvest technology	01	56	-	56	01	-	01	57	-	57
Total	**20**	**461**	**-**	**461**	**20**	**-**	**20**	**481**	**-**	**481**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	4	78	-	78	-	-	-	78	-	78
Nursery raising	1	20	-	20	-	-	-	20	-	20
Others (pl specify)	1	21	8	29	8	8	16	29	16	45
Total (a)	**6**	**119**	**8**	**127**	**8**	**8**	**16**	**127**	**16**	**143**
b) Fruits										
Cultivation of Fruit	3	64	-	64	-	-	-	64	-	64
Total (b)	**3**	**64**	**-**	**64**	**-**	**-**	**-**	**64**	**-**	**64**
c) Spices										
Production and Management technology	07	142	-	142	-	-	-	142	-	142
Total (c)	**7**	**142**	**-**	**142**	**-**	**-**	**-**	**142**	**-**	**142**
GT (a-c)	**16**	**325**	**08**	**333**	**8**	**8**	**16**	**333**	**16**	**349**
III Soil Health and Fertility Management										
Soil fertility management	01	64	-	64	-	-	-	64	-	64
Management of Problematic soils	01	21	-	21	02	-	02	23	-	23
Total	**02**	**85**	**-**	**85**	**02**	**-**	**02**	**87**	**-**	**87**
IV Livestock Production and Management										
Dairy Management	01	-	28	28	-	-	-	-	28	28
Disease Management	01	04	27	31	-	-	-	04	27	31
Feed & fodder technology	05	109	06	115	-	-	-	109	06	115
Total	**07**	**113**	**61**	**174**	**-**	**-**	**-**	**113**	**61**	**174**
V Home Science/Women empowerment										

Household food security by kitchen gardening and nutrition gardening	02	-	37	37	-	02	02	-	39	39
Processing and cooking	01	-	14	14	-	11	11	-	25	25
Gender mainstreaming through SHGs	01	-	29	29	-	03	03	-	32	32
Storage loss minimization techniques	01	-	24	24	-	01	01	-	25	25
Value addition	08	03	144	147	-	28	28	03	172	175
Location specific drudgery reduction technologies	01	-	-	-	-	21	21	-	21	21
Rural Crafts	02	-	17	17	-	15	15	-	32	32
Women and child care	01	-	31	31	-	-	-	-	31	31
Others (pl specify)										
Total	**17**	**03**	**296**	**299**	**-**	**81**	**81**	**03**	**377**	**380**
VI Agril. Engineering										
Total										
VII Plant Protection										
Integrated Pest Management	11	258	-	258	16	-	16	274	-	274
Integrated Disease Management	08	173	-	173	06	-	06	179	-	179
Bio-control of pests and diseases	02	37	-	37	-	-	-	37	-	37
Others (pl specify)										
Total	**21**	**468**	**-**	**468**	**22**	**-**	**22**	**490**	**-**	**490**
VIII Fisheries										
Total										
IX Production of Inputs at site										
Total										
X Capacity Building and Group Dynamics										
Total										
XI Agro-forestry										
Total										
GRAND TOTAL	**83**	**1455**	**365**	**1820**	**52**	**89**	**141**	**1507**	**454**	**1961**

ON CMPUS TRAINING PROGRAMME

FARMERS & FARM WOMEN TRAINING

OFF CAMPUS TRAINING PROGRAMME

FARMERS & FARM WOMEN TRAINING

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	01	15	-	15	-	-	-	15	-	15
Vermi-culture	01	09	-	09	1	-	1	10	-	10
Tailoring and Stitching	01	-	-	-	-	12	12	-	12	12
TOTAL	**03**	**24**	**-**	**24**	**01**	**12**	**13**	**25**	**12**	**37**

Training for Rural Youths including sponsored training programmes (Off campus) - Nil

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Preparation of khakhara making	01	-	15	-	-	-	-	-	15	-
TOTAL	**01**	**-**	**15**	**-**	**-**	**-**	**-**	**-**	**15**	**-**

Training for Rural Youths including sponsored training programmes – Consolidated (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	01	15	-	15	-	-	-	15	-	15
Vermi-culture	01	09	-	09	1	-	1	10	-	10
Tailoring and Stitching	01	-	-	-	-	12	12	-	12	12
Preparation of khakhara making	01	-	15	-	-	-	-	-	15	-
TOTAL	**4**	**24**	**15**	**24**	**1**	**12**	**13**	**25**	**27**	**37**

RURAL YOUTH TRAINING PROGRAMME

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	33	-	33	05	-	05	38	-	38
Any other (pl.specify) -Preparation and preservation mango product	01	-	24	24	-	18	18	-	42	42
-PRA techniques & need assessment	01	13	01	14	-	01	01	13	02	15
TOTAL	**03**	**46**	**25**	**71**	**05**	**19**	**24**	**51**	**44**	**95**

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	17	02	19	-	1	1	17	03	20
Any other (pl.specify) - - Commercial Fruit Production	01	10	-	10	02	-	02	12	-	12
TOTAL	**02**	**27**	**02**	**29**	**02**	**01**	**03**	**29**	**03**	**32**

Training programmes for Extension Personnel including sponsored training programmes Consolidated (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	02	50	02	52	05	1	06	55	3	58
Any other (pl.specify) --										
➢ Commercial Fruit Production	01	10	-	10	02	-	02	12	-	12
➢ Preparation and preservation mango product	01	-	24	24	-	18	18	-	42	42
➢ PRA techniques & need assessment	01	13	01	14	-	01	01	13	02	15
TOTAL	**05**	**73**	**27**	**100**	**07**	**20**	**27**	**80**	**47**	**127**

IN -SERVICE TRAINING PROGRAMME

Table : Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	01	18	-	18	05	-	05	23	-	23
Total	**01**	**18**	**-**	**18**	**05**	**-**	**05**	**23**	**-**	**23**
Home Science										
Household nutritional security	01	-	13	13	-	16	16	-	29	29
Drudgery reduction of women	03	-	152	152	-	21	21	-	173	173
Total	**04**	**-**	**165**	**165**	**-**	**37**	**37**	**-**	**202**	**202**
Agricultural Extension										
Others (pl. specify) Gramin Bhandaran	01	35	-	35	-	-	-	35	-	35
Total	**01**	**35**	**-**	**35**	**-**	**-**	**-**	**35**	**-**	**35**
GRAND TOTAL	**06**	**53**	**165**	**218**	**05**	**37**	**42**	**58**	**202**	**260**

SPONSORED TRAINING PROGRAMME

Name of sponsoring agencies involved

- Gram Technology Sanstha, Gandhinagar (Gujarat)
- Agriculture Technology Management Agency, Junagarh (Gujarat)
- Farmers Training Centre, District – Patan (Gujarat)
- Central Warehousingcorporation, Ahemdabad (Gujarat)

Details of vocational training programmes carried out by KVKs for rural youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Others (pl. specify) Nursery management	01	15	-	15	-	-	-	15	-	15
Total	**01**	**15**	**-**	**15**	**-**	**-**	**-**	**15**	**-**	**15**
Post harvest technology and value addition										
Value addition	01	-	15	15	-	-	-	-	15	15
Total	**01**	**-**	**15**	**15**	**-**	**-**	**-**	**-**	**15**	**15**
Income generation activities										
Vermi composting	01	10	-	10	-	-	-	10	-	10
Tailoring, stitching, embroidery, dying etc.	01	-	-	-	-	12	12	-	12	12
Total	**02**	**10**	**-**	**10**	**-**	**12**	**12**	**10**	**12**	**2**
Grand Total	**04**	**25**	**15**	**40**	**-**	**12**	**12**	**25**	**27**	**52**

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Field Day	18	635	12	647
Kisan Mela	01	2819	22	2841
Kisan Ghosthi	01	294	05	299
Exhibition	02	1166	12	1178
Film Show	06	144	-	144
Farmers Seminar	01	872	07	879
Workshop	02	175	-	175
Group meetings	03	48	-	48
Lectures delivered as resource persons	16	648	107	755
Newspaper coverage	10	Mass	-	Mass
Popular articles	04	-	-	-
Research paper	03	-	-	-
Extension Literature	06	-	-	-
Advisory Services	24	44321	-	43321
Scientific visit to farmers field	109	544	-	544
Farmers visit to KVK	661	661	-	-
Exposure visits	01	38	-	38
Ex-trainees Sammelan	01	47	-	47
Animal Health Camp	01	15	-	15
Farm Science Club Conveners meet	01	15	-	15
Celebration of important days (specify)	05	481	04	485
Method demonstration	05	84	-	84
Clean India Campaign	01	251	-	251

Details of other extension programmes

Particulars	Number
Extension Literature	06
News paper coverage	10
Popular articles	04
Animal health amps (Number of animals treated)	15
Others (pl. specify) Lecture delivered	11
Total	**46**

Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Patan	Text only	19	03	-	02	-	-	24
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**19**	**03**	**-**	**02**	**-**	**-**	**24**
	Total farmers Benefitted	**33993**	**5779**	**-**	**3549**	**-**	**-**	**43321**

EXTENSION ACTIVITIES

FIELD DAY

Field day- Fennel

Field day- Cumin

Field day- Ajwain

Field day-Chilli

Field day-Cumin
(Blight Disease Management)

Field day-Wheat Termite Management

Field day-Castor

Field day-Fennel

FIELD DAY (NMOOP AND NFSM)

Field day- Groundnut (NMOOP)

Field day- Mustard (NMOOP)

Field day-Chickpea (NFSM)

Field day-Green-gram (NFSM)

CELEBRATION OF IMPORTANCE OF DAY

World Food Day

Kishan Divas

World Soil Health Day

World Women Day

DIAGNOSTIC VISIT

Diagnostic visit- Groundnut

Diagnostic visit- Cowpea

LECTURE DELIVERED IN OTHER PROGRAMME

Parthenium Awareness programme

Awarness Programme on
Gramin Bhandaran for farmer

Lectured delivered IWMP-Patan

Lectured delivered on Organic farming

OTHER PROGRAMME

Dr.J.P.Singh Visited NMOOP

Lead Farmers Workshop (BCI programme)

OTHER EXTENSION ACTIVITY

FARMER SEMINAR

:: PRADHAN MANTRI FASAL BIMA YOJNA ::

Name of KVK	:	Krishi Vigyan Kendra Samoda-Ganwada, Ta.Sidhpur, Dist.Patan Pincode: 384151 (Gujarat)
Date of PMFBY Programme	:	04/04/2016
No.of participants (Farmers)	:	879
No.of Organization in Exhibition	:	20

NAME AND DESIGNATION DETAILS OF GUESTS

Chief Guest attended the programme	:	Shri Dilipbhai Pandya Hon.MP (Rajyasabha)
Other Guests attended the programme	:	Pashiben S.Thakor President, Jilla Panchayat Dr.K.A.Thakkar D.E.E., S.D.A.U., S.K.Nagar Shri Shaileshbhai Patel D.A.O.,Patan Shri R.K.Chaudhary Dy.Director Agril. (Extension) Shri P.A.Patel L.D.M.,Dena Bank, Patan

ACTION PHOTOGRAPHS

Registration of Farmers

Officers from various State Dept

Inauguration of PMFBY programme by Hon. MP Dilip Pandya Saheb

Agriculture exhibition

Farmers and Farm women participation in PMFBY

:: WORLD SOIL HEALTH DAY AND PRE-RABI KISAN SANGOSTHI ::

Venue : Gayatri Mandir Parisar, Chanasma, District – Patan

Date : 05-12-2016

Participants : Officers / Extension Functionaries – 49 No
Farmers – 170 No
Farm Women – 80 No

Chief Guest of the Programme :
Sri Rajesh Rajyaguru, Collector, District – Patan
Sri A.R.Jhala, SDM. Chanasma, District – Patan

Department/ Company involved :

- SDM, Chanasma, District – Patan
- S.D.A.U., S.K.Nagar - Prof & Head, Soil Science
  In charge, Agriculture Research Station, Aidiya
- Krishi Vigyan Kendra
- Brahmakumari University
- Department of Agriculture, District - Patan
- Department of Horticulture, District – Patan
- Project Director, ATMA, District – Patan
- Lead Bank Development Manager , District – Patan
- Farmers Training Centre, District - Patan
- Agriland Biotech Company
- Jain Irrigation
- UPL-Advanta
- Agri Business Centre, Chanasma
- SHGs

Technical Session :

- Soil health card Scheme
- Importance & Method of Soil sampling & Soil Fertility Management
- Nutrient Management in Rabi Crops
- Enhance water use efficiency in rabi crops
- Plant Protection In rabi crops
- Cashless payment – Banking transaction
-

Soil Health card Distribution :

23 No. of soil Health Card Distributed

During Sangosthi, Progressive farmers are share our experiences & organizing committee are facilitating to progressive farmers/ farm women by certificate

ACTION PHOTOGRAPHS

SWACHHA PAKHAWADA PROGRAMME

:: SWACHHATA ABHIYAN ::

Name of Village	**:**	Hajipur, Kanesara, Jasalpur, Sandesari, Kot, Gangalasan, BRS College
No.of participants	:	251 (Farmer, Farm women and BRS Student)
Important person attended the activity	**:**	Sarpanch Principal Director of S.G.V.P. Chairman, Co. op. Society

ACTION PHOTOGRAPHS

Awareness training programme regarding Swachha Bharat
Kanesara(Sidhpur), Di.Patan (Gujarat)

Awareness training programme regarding Swachha Bharat
Hajipur(Patan), Di.Patan (Gujarat)

Farmers –Jasalpur village

Awareness programme on Swachha Bharat village sandesari

BRS Student participation in clean india campaign

P.P.V. AND F.R.A. -2001

:: PROCEEDING OF P.P.V. & F.R.A. TRAINING PROGRAMME ::

Krishi Vigyan Kendra, Smaoda – Ganwada, District – Patan (Gujarat) have organized training cum awareness programme on Protection of Plant Variety & Farmers Right Act, 2001. For more awareness among the farming community, Krishi Vigyan Kendra have organized 02 No of training cum awareness programme. One training cum awareness programme are organized at Krishi Vigyan Kendra on 23rd March, 2017 & second training programme are organized at Gayatri Mandir Parisar, CHanasma on 27th March, 2017.Total 170 farmers in Siddhapur, Saraswati, Patan, Chanasma, Harji, Sankeshwar & Radhanpur Taluka are participated in patan district. During programme the farmers of these programme following chief guest & resource person were presented:-

S.No	Name of Cheif guest/ Resource person	Designation
1	Mr A.K.Patel	Campus Director, Saraswati Gram Vidyapeeth, Karishi VIgyan Kendra, District – Patan
2	Dr P.T.Patel	Associate Research Scientist (Plant Breeding), Spice Research Centre, S.D.A.U., Jagudan
3	Dr Upesh Kumar	Senior Scientist & Head, Krishi Vigyan Kendra, District – Patan
4	Dr D.B. Prajapati	Assistant Research Scientist,), Spice Research Centre, S.D.A.U., Jagudan
5	Sri N.N.Salvi	Assisitant Research Scientist, A.R.S., S.D.A.U., Adiya
6	Mr G.A.Patel	SMS, Plant Protection, Krishi Vigyan Kendra, District – Patan
7	Mr H.P.Patel	SMS, Agri Extension, Krishi Vigyan Kendra, District – Patan
8	Mr S.S.Darji	SMS, Horticulture, Krishi Vigyan Kendra, District – Patan
9	Mr R.P.Chaudhari	SMS, Agronomy, Krishi Vigyan Kendra, District – Patan
10	Dr S.J.Patel	SMS, Animal Science, Krishi Vigyan Kendra, District – Patan
11	Mr D.N.Patel	Farm Manager, Krishi Vigyan Kendra, District – Patan

The programme was inogurated by Sri A.K.Patel, Campus Director, Saraswati Gram VIdyapeeth, Krishi Vigyan Kendra, District – Patan by enlighting the lamp in Maa Saraswati. First they are given the thanks to ICAR for conducting this type of activity. They are motivating the

farmers for actively participating in this programme & register more no of farmers germplasm with coordination with Krishi Vigyan Kendra.

- Dr Upesh Kumar, Senior Scientist & Head, Krishi Vigyan Kendra, District – Patan are welcome to the diginatories & explained the objective of the programme. They are motivate the farmers for registration of your germplasm & explain the benefit for registration of germplasm.

- Dr P.T.Patel, Associate Research Scientist (Plant Breeding), Spice Research Centre, S.D.A.U., Jagudan explains the process of registration of farmers variety & Dues test. They are told about how to identify the character of farmer's variety.

- Dr D.B.Prajapati, Assistant Research Scientist (Plant Breeding), Spice Research Centre, S.D.A.U., Jagudan has explained about how to register farmers variety under PPV & FRA.

- Mr H.P.Patel, SMS, Agri Extension, Krishi Vigyan Kendra, District – Patan have explained the PPV &FRA programme, Scope for collection of farmers germ plasm & benefit to farmers for registration of farmers variety.

- Sri N.N.Salvi, Assisitant Research Scientist, A.R.S., S.D.A.U., Adiya have explained the role of bio diversity in agriculture for development of new varieties.

- Mr G.A.Patel, SMS, Plant Protection, Krishi Vigyan Kendra, District – Patan have discuss about importance of PPV & FRA and how to filling the application farm for registration of own variety.

- Mr S.S. Darji SMS, Horticulture, Krishi Vigyan Kendra, District – Patan have explained the collection of seed, characteristics of own variety & its registration process in vegetable as well as spices crop.

- Mr R.P.Chaudhari, SMS, Plant Protection, Krishi Vigyan Kendra, District – Patan have explained the importance of PPV & FRA activity in relation to development of new variety in field crop which is suitable in climate change condition.

Brief about training programme

S.No	Particular	Date	Venue	No of participants	Name of Taluka covered
1	PPV & FRA training cum awareness programme	23rd March, 2017	Krishi Vigyan Kendra	86	Saraswati, Patan, Chanasma & Siddhapur
2	PPV & FRA training cum awareness programme	27th March, 2017	Gayatri Mandir Parisar, Chanasma	84	Harji, Shankeshwar, Radhanpur, Chanasma

ACTION PHOTOGRAPHS

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organized Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
-	Gosthies	-	-	-
	Lectures organized	-	-	-
	Exhibition	-	-	-
	Film show	-	-	-
	Fair	-	-	-
	Farm Visit	-	-	-
	Diagnostic Practicals	-	-	-
	Distribution of Literature (No.)	-	-	-
	Distribution of Seed (q)	-	-	-
	Distribution of Planting materials (No.)	-	-	-
	Bio Product distribution (Kg)	-	-	-
	Bio Fertilizers (q)	-	-	-
	Distribution of fingerlings	-	-	-
	Distribution of Livestock specimen (No.)	-	-	-
	Total number of farmers visited the technology week	-	-	-

VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	GW-451	-	15.20	53200=00	35
Total	**-**	**-**	**-**	**15.20**	**53200=00**	**35**

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Fruits	Lemon	Kagzi lime	-	3214	45545=00	113
	Papaya	Red leady and Madhubindu	-	361	6183=00	05
Ornamental plants	-	-	-	-	-	-
	-	-	-	38	380=00	04
Others	Tobacco	DTC-4	-	24300	4860=00	08
Total	**-**	**-**	**-**	**27913**	**56968=00**	**130**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (Kg)	Value (Rs.)	No. of Farmers
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	-	-	-	-
Bio Agents	-	-	-	-
Others	Vermi compost	7600	38000	57
Total		**7600**	**38000**	**57**

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals	**-**	**-**	**-**	**-**
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Poultry	**-**	**-**	**-**	**-**
Broilers	-	-	-	-
Layers	-	-	-	-
Total	**-**	**-**	**-**	**-**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	-	-	-	-
Water	-	-	-	-
Plant	-	-	-	-
Manure	-	-	-	-
Others (pl.specify)	-	-	-	-
Total	-	-	-	-

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
KVK,Patan	01

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
News letter of KVK	200

X. PUBLICATIONS

Category	Number
Research Paper	03
Technical bulletins	-
Technical reports	-
Others (pl. specify) - Extension folder - Article in magazine Booklet-PPV&FRA	 06 04 01

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	-	-	-

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
-	-	-	-
Total	-	-	-

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	-	-
Pulses	-	-
Cereals	-	-
Vegetable crops	-	-
Tuber crops	-	-
Total	**-**	**-**

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
-	-	-
Total	**-**	**-**

Animal health camps organized

Number of camps	No.of animals	No.of farmers
-	-	-
Total	**-**	**-**

Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
-	-	-	-
Total	**-**	**-**	**-**

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-
Total	**-**	**-**

Awareness campaign

Sr. No.	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

XIII. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
SDAU, S.K.Nager	Pre seasonal training cum workshop kharif	01	02	-
	Establishment of agro metrological unit	01	01	-
	Bi-monthly review meeting & workshop of cotton	01	03	-
	Pre seasonal training cum workshop Rabi	01	01	-
	Bi-monthly review meeting & workshop on spices crops	01	03	-
	Bi-monthly review meeting	01	01	-
	National castor krushi mela	01	04	-
	Integrated farming system	01	02	-
	Workshop on doubling income furmers	01	01	-
	Bi-monthly review meeting & workshop on wheat	01	03	-
A.A.U., Anand	Interface meeting on improving livestock health & production	01	01	-
E.E.I.,A.A.U., Anand	Training cum workshop on Organic farming agriculture	01	01	

B. HRD activities organized in identified areas for KVK staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Training programme on establishment of mother culture of different Bio-agent and mycorrhiza NIPHM- Hyderabad	01	01	-
Zonal workshop of KVK Zone-VI at A.A.U., Anand	01	01	-
Interface meeting contingency plaing (ICAR-CRIDA) at Mahtma Gandhi Labour Institute ,Ahmedabad	01	01	-
Training on oilseeds production technology kharif crop under NMOOP , ATARI, Jodhpur	01	01	-
Scientific production technology of Rapeseed mustard-Directorate of Rape seed-Mustard, Bharatpur	01	01	-
Training cum workshop on pulses crop production, ATARI, Jodhpur	01	01	-
State level mid review & planning workshop for KVKs Gujarat	01	01	-
Management development programme for Newly recruited P.C.s at NAARM- Hyderabad	01	01	-
Workshop on PPV&FRA-2001 at ATARI, Jodhpur	01	01	-
National review workshop on cluster FLD of oil seed	01	01	-
Total	**10**	**10**	**-**

XIV. SUCCESS STORY

Success Story-1

Package demonstration of Groundnut under NMOOP

Name of Farmer	:	Shri Rohitbhai Chaudhari
Father Name	:	Shri Savjibhai Chaudhari
Age	:	35 years
Village & Taluka	:	Nagvasan, Sidhpur
Mobile No.	:	9978307343
Area	:	5.0 ha.
Irrigated Area	:	5.0 ha.
Method of Irrigation	:	Sprinkalar irrigation
Major crops	:	Kharif : Groundnut, Castor & Cluster bean Rabi : Wheat & Tobacco, Green-gram

Mr Rohitbhai Chaudhari is a farmers of Village – Nagvasan, Taluka – Siddhapur, District – Patan (Gujarat). He is a progressive farmers & working in the field of agriculture. After education, Mr Chaudhari was engaged in agriculture & he was regular touch with KVK scientist for taking latest agriculture technology for enhancing profitability in our farm. The main source of farm income of Mr Chaudhari is Field crops & good Dairy Farm. Under Field crop, he was grown castor & cotton as a case crop but he is not interested on growing of other oilseed crops like – Groundnut. He was cultivated groundnut only for home consumption. KVK Scientist regularly motivates for crop diversification & discuss about the profitability of groundnut as a oilseed crops. In 2016-17, KVK was conducted the demonstration under NMOOP programme on Package demonstration of groundnut & he was interested for cultivation of groundnut. He was actively participate the programme identification of problem for low production of green gram to implementation of demonstration.

Demonstrated technology:-

Improved variety (GG-20) + Seed inoculation with *T viridae* @ 10gm/Kg seed + Soil inoculation with NPK liquid bio fertilizer along with *T viridae* @ 2.5 Kg/ Ha + RDF + IWM & IPM module

Mr R.B.Chaudhari are regularly touch with KVK scientist & timely impart the activity like seed treatment, sowing, timely & proper dose application of fertilizer, timely weed management, apply timely plant protection measure resulted enhance 29.61 % productivity of demonstrated plot as compared to their own practice.

Economic Impact:-

Yield (qtl/ha)			Net return (Rs/ha)		B:C ratio	
T1	**T2**	**% Enhance**	**T1**	**T2**	**T1**	**T2**
15.2	19.7	29.61	34450	47270	2.84	3.18
T1- Farmers practice,			**T2- Recommended Practice**			

ACTION PHOTOGRAPHS

Training programme

Data Collection

Field day

Field visit

Success Story-2

Package demonstration of Green-gram under NFSM

Name of Farmer	:	Mr.Jitabhai Chaudhari
Father Name	:	Mr.Tejbhai Chaudhari
Age	:	42 years
Village & Taluka	:	Dev, Radhanpur
Mobile No.	:	9662240402
Area	:	6.0 ha.
Irrigated Area	:	2.2 ha.
Method of Irrigation	:	Sprinkalar irrigation
Major crops	:	Kharif : Green gram, Cotton, Jowar Rabi : Cumin, Wheat, Suva Zaid : Greengram Fruit plant : Pomegranate

Mr Jitabhai T. Chaudhari is a farmer of Village – Dev, Taluka – Radhanpur, District – Patan (Gujarat). He is a progressive farmers & always positive for adoption of latest technologies. Mr J. T.Chaudhary are develop his farm as a diversify agriculture & the income sources of Mr J.T.Chaudhari is based on Field crop, Horticultural crop as well as Dairy. Under Field crop, he was grown cotton as a case crop but he is no interested on pulse crop production because the productivity of pulse crop especially in green gram are very low, so he was grown of pulses for home consumption.

At the time of meeting, he was interacted with the KVK Scientist & KVK Scientist are promote for cultivation of pulse crop for better profit & Mr J.T.Chaudhari are agree for production of green gram. In 2016-17, KVK was conducted the demonstration under NFSM programme on Package demonstration of green gram. He was actively participate the programme identification of problem for low production of green gram to implementation of demonstration.

Demonstrated technology:-

Improved verity (GAM-5) + Seed treatment by fungicide (carbendazim+ mancozeb @ 3gm/ kg seed) + Seed inoculation with N:P:K liquid biofertilizer +Recommended Dose of Fertilizer + Timely weed management + IPM module

Mr J.T.Chaudhary are regularly touch with KVK scientist & timely impart the activity like seed treatment, sowing, timely & proper dose application of fertilizer, timely weed management, apply timely plant protection measure resulted enhance 68.4 % productivity of demonstrated plot as compared to their own practice.

Economic Impact:-

No of Pods/ plant			Yield (qtl/ha)			Net retuen (Rs/ha)		B:C ratio	
T1	T2	% Enhance	T1	T2	% Enhance	T1	T2	T1	T2
40.2	43.6	8.46	7.6	12.8	68.4	27930	57010	2.58	3.88
T1- Farmers practice,					T2- Recommended Practice				

ACTION PHOTOGRAPHS

Training Programme

Field visit & Data Collection

Field day

Success Story-3

Preparation of Doormat & Rope swing

Name of Rural youth (Girls)	Prajapati Priyankaben Babubhai 	Prajapati Sarojben Maheshbhai 
Age	21 years	21 years
Village	Nagvasan	Nagvasan
Block	Sidhpur	Sidhpur
Std.	7 Pass	7 Pass

For empowerment of Rural women KVK-Patan has organized Vocational training programme for the Rural youth (Girls). In this programme 02 Rural youths (Girls) has imparted training about preparation of rural craft activites i.e. Doormat, Rope swing, Toran, Wall piece etc. by the Home Scientist of the KVK Patan.

After completion of the programme two enthusiastic rural youth (Girls) has been started to prepare & sale the rural craft articles. Now a days they are earning from the self prepared articles.

Economic Impact:-

Items	No.of articles	Total Expenditure (Rs.)	Price per article (Rs.)	Total Income (Rs.)	Net Profit (Rs.)
Rope Swing	12	14,400=00	2,500=00 to 3,000=00	33,000=00	18,600=00

ACTION PHOTOGRAPHS

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

---- NIL-----

XIII. STATUS REVOLVING FUNDs

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2014 to March 2015	495229=00	476686=00	658535=00	313380=00
April 2015 to March 2016	313380=00	760354=00	450453=00	623281=00
April 2016 to March 2017	623281=00	381768=00	471649=00	533400=00