PROFORMA FOR PREPARATION OF ANNUAL REPORT (April-2015-March-2016)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	77	1878	254	2132
Rural youths				
Extension functionaries	2	55	4	59
Sponsored Training	2	54	-	54
Vocational Training				
Total	**81**	**1987**	**258**	**2245**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	60	15	
Pulses	-	-	
Cereals	40	10	
Vegetables	20	5	
Other crops	70	7	
Hybrid crops	-	-	
Total	190	37	
Livestock & Fisheries	40	-	40
Other enterprises	20	10	
Total	60	10	
Grand Total	250	47	40

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	2	20	20
Livestock	1	10	10
Various enterprises	2	30	30
Total	5	60	60
Technology Refined			
Crops	1	10	10
Livestock			
Various enterprises			
Total	1	10	10
Grand Total	**6**	**70**	**70**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	87	3678
Other extension activities	16	984
Total	106	4662

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Awar e-ness	Other enterpri se	Total
Gandhinagar	Text only	31	13	2	-	10	4	60
	Voice only							
	Voice & Text both							
	Total Messages	31	13	2	-	10	4	60
	Total farmers Benefitted	349056	158773	36357		86473	42904	673563

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	7	12950
Planting material (No.)		
Bio-Products (kg)	1800 litre	Job work at no profit no loss basis
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	2
2	Conferences	2
3	Meetings	5
4	Trainings for KVK officials	2
5	Visits of KVK officials	
6	Book published	
7	Training Manual	2
8	Book chapters	
9	Research papers	
10	Lead papers	
11	Seminar papers	
12	Extension folder	4
13	Proceedings	
14	Award & recognition	
15	Ongoing research projects	

DETAIL REPORT OF APR-2015-16

(Rabi 2014-15, Summer 2015, Kharif 2015-16)

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, Gujarat Vidyapith, Randheja, Gandhinagar (Guj.) -382620	079- 23975223	079- 23975223	kvkgandhinagar@gmail.com

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

Address	Telephone		E mail	Website
	Office	FAX		
Gujarat Vidyapith, Near Income Tax Circle, Ashram Road, Ahmedabad-380 014	079-27541148 079-27546767	079-27542547	registrar@gujaratvidyapith.org	www.gujaratvidyapith.org

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. V. K. Garg	079 23976050	9924171871	gargvk123@gmail.com

1.4. Year of sanction: **1977,** Letter No.26 (25)/75-Edn.II dt.14/09/1977

1.5. Staff Position (as on 31 March 2016)

Sl. 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	Email id
1	Programme Coordinator	Dr. V. K. Garg	PC	Soil Science	37400-67000	40240	06-03-10	Permanent	General	9924171871	46	gargvk123@gmail.com
2	Subject Matter Specialist	A. B. Patel	SMS	Agri. Engg.	15600-39100	35270	02-09-85	Permanent	General	9904083003	56	
3	Subject Matter Specialist	H. N. Patel	SMS	Horticulture	15600-39100	31770	21-02-94	Permanent	General	9998746540	50	harshad1966@rediffmail.com
4	Subject Matter Specialist	Vinay Gour	SMS	Agronomy	15600-39100	23000	23-01-06	Permanent	General	9374846964	42	vgaur1@rediffmail.com
5	Subject Matter Specialist	Dr. P.V. Jadav	SMS	Animal Husbandry	15600-39100	21290	01-07-08	Permanent	General	9428437637	34	jadavpv@yahoo.co.in
6	Subject Matter Specialist	B.B. Hadiya	SMS	Agriculture Extension	15600-39100	16230	02-06-14	Permanent	OBC	9274425558	29	bharathadiya18@gmail.com
7	Programme Assistant	P. J. Patel	PA	Plant Protection	9300-34800	29150	02-01-80	Permanent	General	9898394276	57	
8	Programme Assistant	G.B.Senma	PA	Agronomy	9300-34800	27760	11-06-82	Permanent	SC	9426861013	59	
9	Assistant	Pratik Unadkat	Asstt.	-	9300-34800	10130	15-10-13	Permanent	General	9722802950	27	
10	Stenographer	D. D. Pandya	Jr. Steno	-	5200-20200	14420	13-10-82	Permanent	General	9574563872	57	
11	Driver	L. M. Patel	Driver cum Mechanic	-	5200-20200	14140	01-07-83	Permanent	General	9428050119	55	
12	Driver	A. J. Damor	Driver cum Mechanic	-	5200-20200	9470	06-09-06	Permanent	ST	9426037194	37	

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	0.50
2.	Under Demonstration Units	0.50
3.	Under Crops	3.00
4.	Horticulture	9.00
5.	Pond	6.00
6.	Others if any	1.00
	Total	**20.00**

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	1996 1978-79	750	14,59,844.00			
2.	Farmers Hostel	ICAR		335	53,377.69			
3.	Staff Quarters (6)	ICAR	1979-80 1983-84	560	118542.94 160782.49			
4.	Demonstration Units (2)	ICAR	1978-79	200	28,995.00			
5	Fencing	ICAR	2006-07	3000 m	5,91,766.50			
6	Rain Water harvesting system	ICAR						
7	Threshing floor	ICAR	2005-06	130	1,37,245.00			
8	Farm godown	ICAR	1978-79	300	122401.08			
9	Implement shed	ICAR	2010-11		301711.00			
10	Garage cum driver quarter and grass godown	ICAR	1986-87	48	2,00,211.00			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2009-10	580412.60	74860	Good condition
Motor cycle	2010-11	45029.00	9157	Good condition
Tractor	1994-95	213709.00	23267 (Hrs.)	Working* (Need Replacement)

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Portable TV	1987-88	7050=00	Not Working
VCR	1988-89	15725=00	Not working
Colour TV	2002-03	25260=00	Working
Fax Machine with stabilizer	2002-03	10350=00	Working
Computer (NATP)	2002-03	111865=00	Not Working
Xerox Machine	2003-04	65810=00	Not Working
Soil Testing Lab Equipment	2004-05	626947=34	Not Working
DVD Player	2006-07	3700=00	Working
LCD Projector	2006-07	75400=00	Working
Digital Camera	2006-07	15250=00	Not Working
Handy cam (SONY)	2008-09	25000=00	Working
MB Plough	1978-79	5195.45	Working
Cultivator	1978-79	3333.75	Working
Levellor	1978-79	3495.10	Working
Disc Harrow	1978-79	5651.00	Working

Disc plough	1978-79	5767.90	Working
Rotovator	2006-07	47000.00	Working
Pneumatic cotton planter	2007-08	47500.00	Not Working
Aeroblast sprayer	2008-09	99500.00	Working
Generator	2008-09	37972.00	Working
Laserjet Printer (HP 1020)	2010-11	6150.00	Working
Voltage stabilizer	2010-11	21417.00	Working
Seed cum Fertilizer Drill	2010-11	30000.00	Working
Rotary Tiller (weeder)	2010-11	51450.00	Working
Power Sprayer with stand	2010-11	24925.00	Working
Computer (HP)	2015-16		

1.8 Details of SAC meeting conducted in the year

S.N.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1	10/2/2016	1. Dr. Rajendra Khimani, Registrar, GVP Ahmedabad 2. Dr. V.V. Prajapati. Asstt. Prof., SDAU, SK Nagar 3. Dr. B.N. Suthar Prof.& Head, SDAU, SK Nagar 4. Dr. P. Manivel, Principal Scientist, ICAR-DMAPR, Anand 5. Dr. A.U. Amin, Research Scientist, SDAU, SK Nagar 6. Mahavir Sinh Vaghela, DAO, District Panchayat, Gandhinagar 7. Jatin Patel, Dy. Dir. Hort., District Panchayat, Gandhinagar 8. Dr. J.R. Patel, Asstt. Dir. AH, District Panchayat, Gandhinagar 9. Judith T. Patel, DPD, ATMA Gandhinagar 10. Jashiben Rameshbhai Patel, Progressive Farmer, Vill. Vasan 11. Shamaldas Prabhudas Patel, Progressive Farmer, Vill. Jakhora 12. Bharat T. Patel, Agri. Entrepreneur, Vill. Chandisana	To complete impact study and present it in next meeting	Work is running and it will be presented in next meeting after completion
2			Prepare KVK website	Website is under construction
3			Make documentary of KVK work	Documentary will be made during next year
4			To organize method demo on compost making machine	Demo will be organized during summer
5			To mention farmer practice details in OFT treatments	Farmer practice details has been given in the results
6			To plan work for rural youth with livelihood mission	Planned in coming year
7			To organize demo on fennel	Fennel demo has been proposed in action plan
8			To decrease phosphorus value in chilli OFT treatments	Chilli OFT corrected
9			To update district profile with help of DAO	Collection of information is running
10			To organize demo on wheat var. GW-451	Wheat demo has been proposed in action plan
11			To stop use of plastic	Use of plastic has been stopped
12			To invite coordinator-MD mahavidyalaya, representatives from SEWA and IKSL as member of SAC	All these three officials will be called in next meeting
13			To prepare charts of identification of agri. Beneficial insects	Charts will be prepared after RE
14			Plan to work with district NGOs	Collaboration with NGOs working in the district will be done in due course of time
15			Mention village name in training programmes	Village name mentioned
16			To install drip irrigation system at KVK farm	Drip system installation will complete in summer

2. DETAILS OF DISTRICT (2015-16)

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

S. No	Farming system/enterprise
1.	Crop Production
2.	Seed Production
3.	Pomology
4.	Olericulture
5.	Medicinal and Aromatic Plants
6.	Animal Husbandry

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

S. No	Agro-climatic Zone	Characteristics
1.	Agro climatic zone IV attributed under semi - arid condition	Rainfall : 600-700 mm
		Soil type : Loamy to sandy loam
		Temperature : Max. - 43°c, Min. - 10°c
		Water table : 400 to 700 ft.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Sandy to sandy loam	Low organic matter Particle size : 0.02 - 0.20 mm	1, 64, 954
2.	Loamy	Moderate organic matter, Medium Water holding capacity	9,457

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

Season	Crop	Area (ha)	Production (MT)	Productivity (kg/ha)
Kharif	Paddy (Kharif)	8741	29902	3421
	Bajra (Kharif)	2722	5373	1974
	Green gram	3395	2111	622
	Sorgum(fodder)	36026	180130	5000
	Groundnut	3192	5834	1828
	Cluterbean	9541	6306	661
	Castor	27251	60279	2212
	Cotton	29657	56039	1896
	Chilli	1002	6012	6000
	Vegetable	9535	66745	7000
Rabi	Wheat	35783	116831	3265
	Mustard	1934	3191	1650
	Fennel	989	1344	1359
	Tobacco	2611	4913	1882
	Potato	8084	196247	24276
	Vegetable	7078	42468	6000
	Sorghum (fodder)	775	3875	5000
	Lucern (fodder)	11829	29572	2500
Summer	Groundnut	210	525	2500
	Bajra	8182	19636	2400
	Green gram	66	52	800
	Sorghum(fodder)	10027	50135	5000
	Other(fodder)	2606	7976	3000
	Vegetable	4204	25224	6000

2.5 Weather data

Month	Rainfall (mm)	Temperature ^{0} C		RH (%) Max.
		Maximum	Minimum	
April 2015	-	42.4	23.3	57
May 2015	-	44.6	24.3	74
June 2015	95	44.8	22.3	82
July 2015	463	39.5	26.9	96
August 2015	26	34.6	24.3	92
September 2015	57	38.8	22.6	99
October 2015	-	40.4	14.8	79
November 2015	-	34.0	16.8	64
December 2015	-	31	7	72
January 2016	-	37.2	10	78
February 2016	-	35.8	12.5	77
March 2016	-	38.4	15	83

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

Category	Population	Production	Productivity
Cattle			
Crossbred	89,600	150300 tonnes	8.58 ltr/day
Indigenous	71,142	39920 tonnes	4.43 ltr/day
Buffalo	3,31,315	230890 tonnes	4.92 ltr/day
Sheep			
Crossbred	16658	19,500 kg	1.35 kg/year
Indigenous			
Goats	47149	3000	0.425
Pigs			
Crossbred		-	-
Indigenous		-	-
Poultry			
Hens	185376	-	-
Ducks	98	-	-
Turkey and others	46	-	-

Category	Area	Production	Productivity
Fish	-	-	-
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

2.7 Details of operational area / Villages

Sl. No.	Taluka/ Block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Gandhinagar	Jakhora, Jalund, Galudan, Magodi	Castor , cotton, Wheat, Animal Husbandry, vegetables	➢ Low productivity of Field crops ➢ Degradation of soil fertility ➢ Lack of knowledge about balance feeding ➢ Scarcity of labour ➢ Low ground water table ➢ High cost of cultivation	➢ Natural Resorce Management ➢ Enhancing the productivity of major crops by use of high yielding varieties. ➢ INM ➢ Nutritional Management ➢ Mechanization in agriculture ➢ Nutritional management in farmers families
2.	Dehgam	Halisa, Patelpura, Jaisa chandana muvada, Arjanji na muvada	Castor, cotton, Peral Millet Wheat, Animal Husbandry, vegetables	➢ Imbalance use of fertilizer ➢ Soil health degradation ➢ Lack of knowledge newly releases agril. Technologies ➢ Reproductive Problems ➢ Scarcity of labour Low ground water table	➢ Enhancing the productivity of major crops ➢ Natural Resorce Management ➢ Fertilizer management ➢ Scientific Dairy Mgmt. ➢ Mechanization in agriculture
3.	Mansa	Kharna, Govindpura, Kuvadra	Castor, cotton, Wheat, Pearl millet, Animal Husbandry, vegetables	➢ Low productivity of Field crops ➢ Low soil fertility ➢ Lack of knowledge about scientific practices of cultivation ➢ Lack of nutritious feed ➢ Scarcity of labour ➢ Low ground water table	➢ Enhancing the productivity of major crops by introduction of high yielding varieties ➢ INM ➢ Nutritional Mgmt. ➢ Fodder Management ➢ Mechanization in agriculture
4.	Kalol	Chandisana, Golthara, Bhaupura, Dhamasana	Castor, cotton, Wheat, Mustard Animal Husbandry, vegetables	➢ Lack of Scientific Knowledge ➢ Reproductive problems ➢ Scarcity of labour ➢ Low ground water table	➢ Fodder Management ➢ Nutritional Mgmt. ➢ Scientific Dairy Mgmt. ➢ Nutritional management in farmers families ➢ Mechanization in agriculture ➢ INM

2.8 Priority Trust Area

Crop/Enterprise	Thrust area
Field crops	Natural Resorce Management
	Enhancing the productivity of major crops
Horticultural crops	Value Addition & Processing
	Enhancing productivity of vegetables crops
Agricultural Engineering	Farm Mechanisation
	Water Resorce Management
Animal Husbandry	Infertility Management Fodder Management
Home Science	Empowerment of farm women and rural youth
	Nutritional management in farmers families
Plant protection	Integrated plant protection techniques

3. TECHNICAL ACHIEVEMENTS

3.A Details of target and achievements of mandatory activities by KVK during 2015-16

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
7	7	170	170	47	47	250	250

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					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	79	79	2186	2186	92	106	3200	4662
Rural youth								
Extn. Functionaries	2	2	59	59				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
7	7	20			

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	Cotton	The Assessment of Spray of 3% KNO3 at flowering, ball initiation and 50% ball formation stage	10	10
	Carrot	PSB @ 10kg./ha.at 15 DAS as soil application	10	10
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology	Wheat	The Assessment of Soil application of IBNM with irrigation	10	10
Farm Machineries	Grain cleaner cum grader	Use of grain cleaner cum grader	10	10
	Blade harrow	Primary tillage with plough followed by blade harrow	20	20
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (ICT)	KMAS	Assessment of Information Technology through Kisan Mobile Advisory Service (KMAS)	120	120
Total			**180**	**180**

Summary of technologies assessed under livestock by KVKs

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	01	Probiotic feed	01	10
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total			1	10

Summary of technologies assessed under various enterprises by KVKs

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

I.B. TECHNOLOGY REFINEMENT

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	wheat	The Effect of application of ZnSO4 @20kg/ha	10	10
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			**10**	**10**

Summary of technologies refined under various livestock by KVKs

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

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

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

FARM MECHANIZATION

(1) Problem definition: Low market value of produce

Technology Assessed: Use of grain cleaner cum grader

KVK Gandhinagar conducted on-farm trial to **assess** effect of use of grain cleaner cum grader. locally of grain cleaning is done by winnowing. But by the use of grain cleaner cum grader for grain cleaning gives a net return of Rs. 40130 /ha as compared to the local practice of Rs. 25050/ha (37.6% increase in net return per ha).

Table: Performance Use of grain cleaner cum grader

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)
local method of grain cleaning by winnowing (Farmers Practice)	10	3.36	0.25
Use of grain cleaner cum grader			0.40

(2) Problem definition: Hard soil structure reduces yield of castor

Technology Assessed: Primary tillage with plough followed by blade harrow

KVK Gandhinagar conducted on-farm trial to **assess** effect of Primary tillage with plough followed by blade harrow. Farmers use primary tillage with plough & cultivator for field preparation for castor cultivation. But by use of Primary tillage with plough followed by blade harrow gives a net return of Rs. 51127 /ha as compared to the farmer practice of Rs. 39000/ha (23.72% increase in net return per ha).

Table: Performance of Primary tillage with plough followed by blade harrow

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)
Primary tillage with plough & cultivator (Farmers Practice)	20	2.8	0.39
Primary tillage with plough followed by blade harrow	20	3.18	0.51

NUTRIENT MANAGEMENT

(1) Problem definition: Lower productivity of wheat due to imbalance application of nutrients

Technology Refined: Nutrient management in Wheat

KVK, Gandhinagar in Gujarat conducted on-farm trial to find out appropriate nutrient management practice to enhance the wheat productivity. The refined practice of application of ZnSo4 @20kg/ha along with the RDF was found to be better with 14.2 % increase in yield.

Table Effect of application of ZnSo4 @20kg/ha along with the RDF on yield in wheat

Technology Option	No.of trials	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
160 kg N/ha + 80 P/ha (Farmers Practice)	10	3870	-	1.91
120 kg N/ha + 60 P/ha (Recommended Practice)		4230	8.5	2.09:1
T2 + 20 kg ZnSO4/ha		4420	14.2	2.17:1

(2) Problem definition: Lower productivity and profitability in Cotton cultivation due to imbalance application of nutrients

Technology Assessed: Nutrient management in Cotton

KVK, Gandhinagar in Gujarat conducted on-farm trial to find out appropriate nutrient management practice to enhance the cotton productivity. The assessed practice of Spray of 3% KNO3 at flowering, ball initiation and 50% ball formation stage along RDF was found to be better with 21% increase in yield.

Table Effect of Spray 3% KNO3 at flowering, ball initiation and 50% ball formation stage on yield in Cotton

Technology Option	No. of trials	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
160kgN/ha+40 P/ha (Farmers Practice)	10	1280		1.3:1
160kgN/ha (Recommended Practice)		1510	17.9	1.6:1
T2 +Spray of 3% KNO3 at flowering, ball initiation and 50% ball formation stage.		1550	21.0	1.65:1

(3) Problem definition: Lower productivity and profitability in carrot cultivation due to imbalance application of phosphorus

Technology Assessed : Nutrient management in carrot

KVK, Gandhinagar in Gujarat conducted on-farm trial to find out appropriate phosphorus nutrient management practice to enhance the carrot productivity. The assessed practice of PSB @ 10kg./ha.at 15 DASas soil application along RDF was found to be better with 18.55% increase in yield.

Table Effect of PSB on carrot

Technology Option	No.of trials	Yield (t/ha)	Increase in Yield (%)	B:C Ratio
T1 - 50+100+25 NPK kg./ha (farmer practice)	10	32.00	-	2.22:1
T2 -100+50+50NPK kg./ha.+PSB@30 gm./kg.seed as seed treatment		34.50	7.8	2.40:1
T3-100 + 50 +50 NPK kg./ha.+ PSB @ 10kg./ha.at 15 DASas soil application		40.90	18.55	2.85:1

RESOURCE CONSERVATION

Problem definition: Lower productivity in wheat cultivation due to low soil fertility

Technology Assessed: Enhancement of wheat yield through Soil application of IBNM with irrigation in Gujarat

The KVK Gandhinagar in Gujarat conducted on-farm trial on Soil application of IBNM with irrigation in Wheat. Application of IBNM with irrigation along with RDF had enhanced the wheat yield by 15.8% in Gujarat along with increase in net profit of Rs.6020 per hectare.

Table Effect of IBNM on yield and income of wheat

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs./ha)	BC Ratio
160kgN/ha+80 P/ha (Farmers Practice)	10	3920kg/ha	31070	1.87:1
120kgN/ha+60 P/ha (Recommended Practice)		4210 g/ha	37970	2.0:1
T2 + Soil application of IBNM with irrigation		4540 g/ha	41280	2.15:1

LIVE STOCK ENTERPRISES

Problem definition: Unbalanced ruminal microflora in dairy animals due to improper mixing and proportion of different feeds.

Technology Assessed: Assessment of Feeding Probiotic feed on milk production of Buffaloes

KVK, Gandhinagar conducted trial to assess the effect of feeding probiotic feed on milk production in buffalo. Study revealed that use of probiotic increased the milk yield from 7.84 litre/animal to 8.29 litre/animal. Farmers earned a net profit of Rs.7.95 per litre with 1:1.52 B:C ratio.

Table 1: Effect of feeding management in milk yield of cattle

Technology Option	No.of trials	Avg daily Milk Yield	Net Return (Rs/ltr)	B:C Ratio
T1 : Farmer Practices (green Fodder +dry fodder + concentrate) feeding	10	7.84	6.28	1:1.41
T2 : T1+ 50 gm minéral mixture		8.04	7.05	1:1.46
T3: T2+ Feeding of 15 gm Bio-bloom (Probiotic feed)		8.29	7.95	1:1.52

Note: (Feeding detail: green grass 20 kg {1kg Green grass cost=Rs 1.5}, Dry fodder 6 kg{1kg dry fodder cost=Rs 4}, concentrates 4.5 kg{1kg concentrate cost=Rs 13} and 1 kg Milk fat =Rs 520)

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
1	Wheat	Farm mechanization	Use of reaper for harvesting of wheat	Training G.D.meeting Field Demonstration Method demonstration	11	165	82
2	Castor	Farm mechanization	Use of Power weeder for interculturing		14	98	66
3	Wheat	Varietal evaluation	GW-11		10	450	210
4	Cabbage	INM	Soil application of G-4 grade micronutrient @ 20 kg./ha.as basal dose		09	700	150
5	Brinjal	INM	Soil application of G-4 grade micronutrient @ 20 kg./ha.as basal dose		03	45	20
6	Okra	INM	Foliar application of G-4 grade micronutrient @ 3 g./ltr.at 30,60,90,120 DAS		07	90	25
7	Chilli	ICM	Foliar application of GA3 @ 25 ppm at 30,60,90,120 DAS		03	55	25
8	Oat	Fodder Prod.	Kent-C		35	900	15
9	AH	Nutrition Mgmt.	Mineral Mixture		21	400	-
10	AH	Nutrition Mgmt.	Bypass Fat		08	80	-

b. Details of FLDs implemented during 2015-16 (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	
1	Wheat	variety	GW-11	Rabi14-15	10	10	-	40	40	-
2	Mustard	variety	GDM-4	Rabi14-15	05	05	03	17	20	-
3	Castor	variety	GCH-7	Kharif 15-16	10	10	01	39	40	-
4	Brinjal	INM	Foliar spray of G-4 grade micronutrient @ 3 gm/ltr. at 30, 60, 90 &120 DAS	Kharif-2015	5.0	5.0	04	16	20	-
5	Sorghum	Fodder Production	PC-23	Kharif-15	00	03	0	30	30	
6	Oat	Fodder Production	Kent-C	Rabi 14-15	04	04	0	40	40	

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					
Wheat	Rabi14-15	Irrigated	Sandy loam	L	M	H	Cotton	Nov.-Dec.	Mar.-April	641	
Mustard	Rabi14-15	Irrigated	Sandy loam	L	M	H	vegetables	October	Feb.	641	
Castor	Kharif15-16	Irrigated	Sandy loam	L	M	H	Bajra	August	Mar.-April	641	
Brinjal	Kharif 15-16	Irrigated	sandyloam	Low	Medium	High	Sorghum, Bajra, Cabbage, potato	August	October to February	641	
Sorghum	Kharif-15	Irrigated	Sandy loam	L	M	H	Vegetables & Wheat	June-July	Sept- Oct		
Oat	Rabi 14-15	Irrigated	Sandy loam	L	M	H	Bajra	Nov.	Apr-May		

Technical Feedback on the demonstrated technologies

Crop	Feed Back
Wheat	Variety is good
Mustard	Still more HYV is needed
castor	This year problem of cater piller was very serious and it can,t be controlled at later stage so some recommendation for this is required
Brinjal	The technology is good and bears good results by increasing flowering and fruiting.
Sorghum	More number of branches so produce high green fodder yield
Oat	The provided variety of Oat having good growth with 3-4cutting

Farmers' reactions on specific technologies

Crop	Feed Back
Wheat	Wheat variety is good
Mustard	Some private company varieties produce more yield than GDM-4
castor	This is one of the best variety, but has the problem of samta in all varieties
Brinjal	Flowering induced and fruit color improved besides increased in no.of picking.
Sorghum	Highly palatable and no residue left by animals
Oat	The provided variety of Oat is found superior as compare to other variety

Extension and Training activities under FLD

Wheat

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				-
2	Farmers Training	02	17/11/14,20/11/14	47	-
3	Media coverage				-
4	Training for extension functionaries	01(Rabi pre seasonal)	20/9/14	99	-

Mustard

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				-
2	Farmers Training	01	10/10/14	23	-
3	Media coverage				-
4	Training for extension functionaries	01(Rabi pre seasonal)	20/9/14	99	-

Castor

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	01	27/01/16	55	-
2	Farmers Training	03	15/09/15,12/08/15,14/08/15	73	-
3	Media coverage				-
4	Training for extension functionaries				

Brinjal

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	01	22/01/2016	29	
2	Farmers Training	01	29/09/2015	20	
3	Media coverage	-	-	-	
4	Training for extension functionaries	-	-	-	

Oat (Rabi 14-15)

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	-	-	-	-
2	Farmers Training	02	6/11/14 & 8/11/14	40	-
3	Media coverage	-	-	-	-
4	Training for extension functionaries	-	-	-	-

Sorghum (Kharif -15)

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	-	-	-	-
2	Farmers Training	01	19/12/14	37	-
3	Media coverage	-	-	-	-
4	Training for extension functionaries	-	-	-	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed 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										
Mustard	Varietal	Variety	GDM-4	20	05	21.7	16.2	18.2	16.2	12.35	36350	59150	22800	1.63	36900	52650	15750	1.43
Castor	Varietal	Variety	GCH-7	40	10	32.9	29.3	31.2	27.4	13.8	45350	93600	48250	2.06	47200	82200	35000	1.74

* 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										

* 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 Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Wheat	Varietal	GW-11	40	10	41.8	36.8	38.5	34.7	11	-	-	36100	65540	29440	1.8:1	37200	58990	21790	1.58:1
Vegetables																			
Brinjal	INM	Foliar spray of G-4 grade micronutrient @ 3 gm./ltr.at 30,60,90 &120 DAS	20	5.0	480	320	404.80	360	12.33	-	-	95000	242880	147880	2.56:1	104000	216000	112000	2.07:1
Fodder crops																			
Sorghum	Fodder prod.	PC 23	30	03	475	380	422	365	15.62	-	-	28550	69630	41080	2.43:1	27450	60225	32775	2.19:1
Oat	Fodder prod.	Kent-C	40	04	405	328	365	325	12.33	-	-	20150	45260	25110	2.24:1	19625	40300	20675	2.05:1

* 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 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	Nutritional Mgmt.	Mineral Mixture	20	20	11.82 Avg ltr/day	11.50 Avg lit/day	2.74	-	-	149	227.32	78.32	1.53	145	191.36	46.36	1.32
Cattle	Nutritional Mgmt.	Bypass Fat	20	20	13.30 Avg ltr/day	12.65 Avg lit/day	5.1	-	-	163.5	241.97	78.47	1.48	151.5	217.07	65.57	1.43

* 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 Management																	

* 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																
Button 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			Harvesting (ha)
Reaper	Wheat	Use of reaper for harvesting of wheat	10	5	Man hr.	8	180	-	21.5 (Harvesting ha)	1950 (Harvesting ha)
Power weeder	Castor	Use of Power weeder for interculturing	10	5	Man hr.	5	10	100	4 (Interculturing ha)	360 (Interculturing ha)

Total cost of harvesting Rs/ha: local method –3150, Reaper – 1200, Total cost of interculturing Rs/ha: local method –1200, Power weeder -- 840

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)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

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						
Castor	Variety	GCH-7	40	10	32.9	29.3	31.2	27.4	13.8	45350	93600	48250	2.06

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	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	6	146		146	11		11	157	0	157
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	3	86		86	19		19	105	0	105
Others (pl specify)				0			0	0	0	0
Total	**9**	**232**	**0**	**232**	**30**	**0**	**30**	**262**	**0**	**262**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	5	118		118	2		2	120	0	120
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	**5**	**118**	**0**	**118**	**2**	**0**	**2**	**120**	**0**	**120**
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	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-

Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**5**	**118**	**0**	**118**	**2**	**0**	**2**	**120**	**0**	**120**
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	3	62	25	87			0	62	25	87
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2	51		51			0	51	0	51
Disease Management	1	2	23	25			0	2	23	25
Feed & fodder technology	1	22		22			0	22	0	22
Production of quality animal products										
Others (pl specify)										
Total	**7**	**137**	**48**	**185**	**0**	**0**	**0**	**137**	**48**	**185**
V Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Farm Machinary and its maintenance	4	146		146	7		7	153	0	153
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices	2	50		50			0	50	0	50
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**6**	**196**	**0**	**196**	**7**	**0**	**7**	**203**	**0**	**203**
VII Plant Protection										

Integrated Pest Management	2	41		41	11		11	52	0	52
Integrated Disease Management				0			0	0	0	0
Bio-control of pests and diseases	2	50		50	5		5	55	0	55
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**4**	**91**	**0**	**91**	**16**	**0**	**16**	**107**	**0**	**107**
VIII Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1		25	25		1	1	0	26	26
Mobilization of social capital	1	25		25			0	25	0	25
Entrepreneurial development of farmers/youths	2	4	47	51		3	3	4	50	54
WTO and IPR issues				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**4**	**29**	**72**	**101**	**0**	**4**	**4**	**29**	**76**	**105**
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**35**	**803**	**120**	**923**	**55**	**4**	**59**	**858**	**124**	**982**
(B) RURAL YOUTH										
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-

Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-
(C) Extension Personnel	-	-	-	-	-	-	-	-	-	-
Productivity enhancement in field crops	1	29	0	29	6		6	35	0	35
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	1	17	4	21	3		3	20	4	24
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**2**	**46**	**4**	**50**	**9**	**0**	**9**	**55**	**4**	**59**
Grand Total	**37**	**849**	**124**	**973**	**64**	**4**	**68**	**913**	**128**	**1041**

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	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	4	75		75			0	75	0	75
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	4	73	17	90	12		12	85	17	102
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**8**	**148**	**17**	**165**	**12**	**0**	**12**	**160**	**17**	**177**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	6	104	17	121	9		9	113	17	130
Nursery raising	1	39		39	7		7	46	0	46
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	**7**	**143**	**17**	**160**	**16**	**0**	**16**	**159**	**17**	**176**
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	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	1	10		10	15		15	25	0	25
Others (pl specify)				0			0	0	0	0
Total (e)	**1**	**10**	**0**	**10**	**15**	**0**	**15**	**25**	**0**	**25**
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										

Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**8**	**153**	**17**	**170**	**31**	**0**	**31**	**184**	**17**	**201**
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	5	121	68	189			0	121	68	189
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed & fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**5**	**121**	**68**	**189**	**0**	**0**	**0**	**121**	**68**	**189**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Farm Machinary and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	3	96		96			0	96	0	96
Use of Plastics in farming practices	3	76	3	79			0	76	3	79
Production of small tools and implements	1	23		23			0	23	0	23
Repair and maintenance of farm machinery and implements	3	68		68			0	68	0	68
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**10**	**263**	**3**	**266**	**0**	**0**	**0**	**263**	**3**	**266**
VII Plant Protection										
Integrated Pest Management	3	101		101			0	101	0	101
Integrated Disease Management	2	59		59			0	59	0	59
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	2	70		70			0	70	0	70

Others (pl specify)				0			0	0	0	0
Total	**7**	**230**	**0**	**230**	**0**	**0**	**0**	**230**	**0**	**230**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1		23	23		2	2	0	25	25
Mobilization of social capital	2	36		36	3		3	39	0	39
Entrepreneurial development of farmers/youths	1	27		27			0	27	0	27
WTO and IPR issues	2	45		45	5		5	50	0	50
Others (pl specify)				0			0	0	0	0
Total	**6**	**108**	**23**	**131**	**8**	**2**	**10**	**116**	**25**	**141**
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**44**	**1023**	**128**	**1151**	**51**	**2**	**53**	**1074**	**130**	**1204**
(B) RURAL YOUTH										
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and	-	-	-	-	-	-	-	-	-	-

implements										
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-
(C) Extension Personnel										
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-
Grand Total	**44**	**1023**	**128**	**1151**	**51**	**2**	**53**	**1074**	**130**	**1204**

Farmers' Training including sponsored training programmes – CONSOLIDATED (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	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	10	221	0	221	11	0	11	232	0	232
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	7	159	17	176	31	0	31	190	17	207
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**17**	**380**	**17**	**397**	**42**	**0**	**42**	**422**	**17**	**439**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	11	222	17	239	11	0	11	233	17	250
Nursery raising	1	39	0	39	7	0	7	46	0	46
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	**12**	**261**	**17**	**278**	**18**	**0**	**18**	**279**	**17**	**296**
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	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	1	10	0	10	15	0	15	25	0	25
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	**1**	**10**	**0**	**10**	**15**	**0**	**15**	**25**	**0**	**25**
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-

Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**13**	**271**	**17**	**288**	**33**	**0**	**33**	**304**	**17**	**321**
III Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management										
Dairy Management	8	183	93	276	0	0	0	183	93	276
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	2	51	0	51	0	0	0	51	0	51
Disease Management	1	2	23	25	0	0	0	2	23	25
Feed & fodder technology	1	22	0	22	0	0	0	22	0	22
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**12**	**258**	**116**	**374**	**0**	**0**	**0**	**258**	**116**	**374**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Farm Machinary and its maintenance	4	146	0	146	7	0	7	153	0	153
Installation and maintenance of micro irrigation systems	3	96	0	96	0	0	0	96	0	96
Use of Plastics in farming practices	5	126	3	129	0	0	0	126	3	129
Production of small tools and implements	1	23	0	23	0	0	0	23	0	23
Repair and maintenance of farm machinery and implements	3	68	0	68	0	0	0	68	0	68
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**16**	**459**	**3**	**462**	**7**	**0**	**7**	**466**	**3**	**469**
VII Plant Protection										
Integrated Pest Management	5	142	0	142	11	0	11	153	0	153
Integrated Disease Management	2	59	0	59	0	0	0	59	0	59
Bio-control of pests and diseases	2	50	0	50	5	0	5	55	0	55
Production of bio control agents and bio pesticides	2	70	0	70	0	0	0	70	0	70
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**11**	**321**	**0**	**321**	**16**	**0**	**16**	**337**	**0**	**337**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-

Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	2	0	48	48	0	3	3	0	51	51
Mobilization of social capital	3	61	0	61	3	0	3	64	0	64
Entrepreneurial development of farmers/youths	3	31	47	78	0	3	3	31	50	81
WTO and IPR issues	2	45	0	45	5	0	5	50	0	50
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**10**	**137**	**95**	**232**	**8**	**6**	**14**	**145**	**101**	**246**
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**79**	**1826**	**248**	**2074**	**106**	**6**	**112**	**1932**	**254**	**2186**
(B) RURAL YOUTH										
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-

Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-
(C) Extension Personnel										
Productivity enhancement in field crops	1	29	0	29	6	0	6	35	0	35
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	1	17	4	21	3	0	3	20	4	24
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**2**	**46**	**4**	**50**	**9**	**0**	**9**	**55**	**4**	**59**
Grand Total	**81**	**1872**	**252**	**2124**	**115**	**6**	**121**	**1987**	**258**	**2245**

Training for Rural Youths 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
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

Training for Rural Youths 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
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

Training programmes for Extension Personnel 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
(C) Extension Personnel										
Productivity enhancement in field crops	1	29	0	29	6		6	35	0	35
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	1	17	4	21	3		3	20	4	24
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**2**	**46**	**4**	**50**	**9**	**0**	**9**	**55**	**4**	**59**

Training programmes for Extension Personnel 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
(C) Extension Personnel										
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(C) Extension Personnel										
Productivity enhancement in field crops	1	29	0	29	6	0	6	35	0	35
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	1	17	4	21	3	0	3	20	4	24
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**2**	**46**	**4**	**50**	**9**	**0**	**9**	**55**	**4**	**59**

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	2	42		42	12		12	54	0	54
Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
Production and value addition	-	-	-	-	-	-	-	-	-	-
Fruit Plants	-	-	-	-	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-	-	-	-	-
Spices crops	-	-	-	-	-	-	-	-	-	-
Soil health and fertility management	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Methods of protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**2**	**42**	**0**	**42**	**12**	**0**	**12**	**54**	**0**	**54**
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Farm machinery	-	-	-	-	-	-	-	-	-	-
Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
Livestock production and management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
Fisheries Management	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Home Science	-	-	-	-	-	-	-	-	-	-

Household nutritional security	-	-	-	-	-	-	-	-	-	-
Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Agricultural Extension	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**2**	**42**	**0**	**42**	**12**	**0**	**12**	**54**	**0**	**54**

Name of sponsoring agencies involved - ATMA

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	-	-	-	-	-	-	-	-	-	-
Commercial floriculture	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
Integrated crop management	-	-	-	-	-	-	-	-	-	-
Organic farming	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
Dairy farming	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Poultry farming	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Income generation activities	-	-	-	-	-	-	-	-	-	-
Vermicomposting	-	-	-	-	-	-	-	-	-	-
Production of bio-agents, bio-pesticides,	-	-	-	-	-	-	-	-	-	-
bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery	-	-	-	-	-	-	-	-	-	-
and implements	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Agricultural Extension	-	-	-	-	-	-	-	-	-	-
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Grand Total	-	-	-	-	-	-	-	-	-	-

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	15	144	4	148
Diagnostic visits	12	118	0	118
Field Day	8	232	18	250
Group discussions	20	321	48	369
Kisan Ghosthi	3	103	12	115
Film Show	4	118	4	122
Self -help groups	-	-	-	-
Kisan Mela	1	990	30	1020
Exhibition	1	990	30	1020
Scientists' visit to farmers field	15	144	45	189
Plant/animal health camps	1	19	3	22
Farm Science Club	2	59	2	61
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	1	63	2	65
Method Demonstrations	-	-	-	-
Celebration of important days	4	167	12	179
Special day celebration	-	-	-	-
Exposure visits	-	-	-	-
Others (lecture delivered, pre rabi and kharif samelan)	19	975	9	984
Total	**106**	**4443**	**219**	**4662**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	4
News paper coverage	4
Popular articles	
Radio Talks	
TV Talks	
Animal health amps (Number of animals treated)	26
Others (pl. specify)	
Total	**34**

Message Type	Type of Messages						
	Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Text only	31	13	2	-	10	4	60
Voice only	-	-	-	-	-	-	-
Voice & Text both	-	-	-	-	-	-	-
Total Messages	31	13	2	-	10	4	60
Total farmers Benefitted	**349056**	**158773**	**36357**		**86473**	**42904**	**673563**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
-	Gosthies	-	-	-
	Lectures organised	-	-	-
	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-11	-	7	12950	20
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others	-	-	-	-	-	-
Total	-	-	-	**7**	**12950**	**20**

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
Commercial	-	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-	-
Fruits	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others	-	-	-	-	-	-
Total	-	-	-	-	-	-

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	-	-	-	-
Bio Agents	-	-	-	-
Others	Neem oil	1800 litre	Job work	50
Total		1800 litre		

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry				
Broilers	-	-	-	-
Layers	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery				
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries				
Indian carp	-	-	-	-
Exotic carp	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	-	-	-	-

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil				Lab is not in working condition
Water	-	-	-	-
Plant	-	-	-	-
Manure	-	-	-	-
Others (pl.specify)	-	-	-	-
Total	-	-	-	-

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Gandhinagar	1 (10/2/2016)

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Research Paper	-
Technical bulletins	-
Technical reports	1
Others (pl. specify)	-
Training manual	2
Extension literature	4

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 organised

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

	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
-	-	-	-	-
Total	-	-	-	-

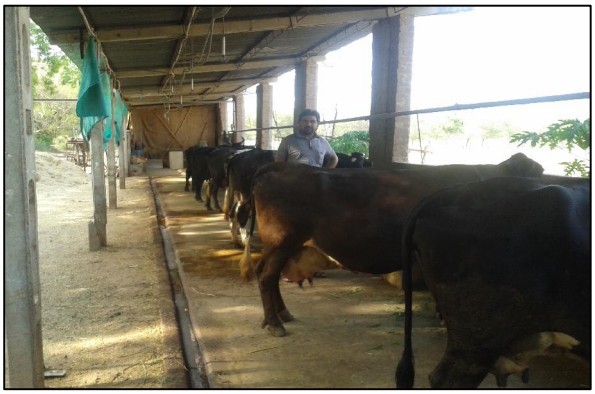
B. HRD activities organized in identified areas for KVK staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Production technology of pulses	1	1	1

XIV. CASE STUDY/SUCCESS STORY

More profit through integrated farming approach

Name of farmer: Patel Jayeshbhai Dahyabhai
Address: Village- Sonipur, Ta. & Dist. Gandhinagar
Mo. 9879976991



Introduction: Shri Jayeshbhai Patel has been engaged in agriculture after completion his M.Com degree during 1993. When he took charge of farming in his hand he decided to do something to be new in agriculture & livestock farming. At this stage, he came in contact with KVK, Gandhinagar and meet the scientists. After long discussion & got the trainings at KVK, he decided to adopt new & improved as well as scientifically recommended technology in his farm & live stock enterprise.

He has total 32 milch animals in which 29 HF cows, 2 buffalos and 1 Gir cow. Due to scarcity of technical labour in this area he purchased Chaff cutter, Brush cutter, hydrolic trolly and automatic milking machine. After using these latest tools he can reduce the labour cost, save the time and got the clean & high milk production. He has total 8 ha land and don't use chemical fertilizer since 1993. Now his farm converted under organic. He also adopt intercropping like cotton with castor and got the higher production and increase the income level. He also produces organic wheat. His total land covered under drip irrigation system and he uses improved farm impliments.

As a result of these technologies he could be able to reduce the production cost, save the time, labour and electicity & water.

Economics

Intervention	**Impact**	
	Before	**After**
Irrigation	Furrow method	Drip irrigation
Fodder cutting	Hand cutting	Chaf cutter, brush cutter
Milking method	Hand milking method	Automatic milking machine
Seed sowing	Hand sowing method	Automatic seed drill
Field preparation	Bullock dwawn implements	Rotavator

Economics of Live stock

Particulars	**Amount**
Production	55,000 ltr/year
Rate of milk	25 Rs./ltr
Total expenditure	6,50,000
Gross Income	13,75,000
Net profit	7,25,000

Economics of agriculture (Cotton, Castor, wheat)

Crop	Production (Q/ha)	Rate Rs/qtl	Total expenditure	Gross income	Net profit
Cotton	48	4500	1,20,000	2,70,000	1,50,000
Castor	37.5	3800	1,05,000	2,28,000	1,23,000
Wheat	64	1800	45,000	1,44,000	99,000
Total			2,70,000	6,42,000	3,72,000