ANNUAL REPORT - April 2010 - March 2011

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KVK Yisemyong Post Box No-23 Mokokchung Nagaland	OFFICE 0369-2226537	FAX 0369-2227627	kvkmokokchung@gmail.com kvkyisemyong@rediffmail.com

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

Address	Tele	phone	E mail
	Office	FAX	
Directorate of Agriculture Nagaland Kohima	0370-2243116	0370-2243970	agrilan@rediffmail.com

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

mor maine or the rogianim	occiunator with phone	G IIIODIIO IIO					
Name	Telephone / Contact						
	Residence	Residence Mobile Email					
S. SOSANG JAMIR	0369/2228567	9436006351	sosangjamir@yahoo.in				

1.4. Year of sanction : 2003

1.5. Staff Position (as on 31st March 2011)

SI. 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)
1	Programme Coordinator	S. Sosang Jamir	I/C Programme Coordinator	Agronomy	-	-	18.06.03	Temporary	ST
2	Subject Matter Specialist	Renbomo Ngullie	SMS (Horticulture)	Horticulture	15600 + 5400	18950+5400	24.05.06	Temporary	ST
3	Subject Matter Specialist	Akangtemjen	SMS (Entomology)	Entomology	15600 + 5400	18950+5400	24.05.06	Temporary	ST
4	Subject Matter Specialist	Dr. Rongsensusang	SMS (Vety. &AH)	Vety & AH	16380 + 5400	18950+5400	24.05.06	Temporary	ST
5	Subject Matter Specialist	Samuel Sangtam	SMS (Agronomy)	Agronomy	15600 + 5400	18950+5400	24.05.06	Temporary	ST
6	Subject Matter Specialist	Bendangjungla	SMS (PB &G)	PB &G	15600 + 5400	18950+5400	24.05.06	Temporary	ST
7	Subject Matter Specialist	Royuso Nakhro	SMS (Extension)	Agri. Extension	15600 + 5400	18240+5400	13.11.07	Temporary	ST
8	Programme Assistant	Moainla	Programme Asstt		10230 + 4200	12550+4200	24.05.06	Temporary	ST
9	Computer Programmer	I.Tangitla	Programme Asstt (Computer)		10230 + 4200	12550+4200	24.05.06	Temporary	ST
10	Farm Manager	Jweni Semp	Programme Asstt (Farm)		10230 + 4200	12060+4200	07.11.07	Temporary	ST
11	Accountant / Superintendent	Meyatula	Office Supt- cum- Accountant		10230 + 4200	12550+4200	01.06.06	Temporary	ST
12	Stenographer	Imosangla	Jr. Steno- cum- Computer Operator		7440 + 2400	9040+2400	01.06.06	Temporary	ST
13	Driver-cum- Mechanic	Supongmeren	Driver		5680 + 1900	6910+1900	01.06.06	Temporary	ST
14	Driver-cum- Mechanic	Jongpongyanger	Driver		5680 + 1900	5910+1900	01.03.10	Temporary	ST

15	Supporting	Imkonglemla	Peon	4750	5740+1300	01.06.06	Temporary	ST
	staff			+				
				1300				
16	Supporting	Aotoshi	Chowkidar	4750	4940+1300		Temporary	ST
	staff			+		01.03.10		
				1300				

1.6. Total land with KVK (in ha)

S. No.	ltem	Area (ha)
1	Under Buildings	1
2.	Under Demonstration Units	0.4
3.	Under Crops	3 (Instructional Farm)
4.	Orchard/Agro-forestry	1.42 ha
5.	Others (specify)	17.4

1.7. Infrastructural Development: A) Buildings

		Source			Stage			
S.		of			Incomplete			
No ·	Name of building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	20.06.09	400	53.5 lakhs	28.09.07	400	completed
2.	Farmers Hostel	NA	NA	NA	NA	NA	NA	NA
3.	Staff Quarters (5)	ICAR	NA	200		2011	100	On going
4.	Demonstration Units (2)	Host & ATMA	2008 &2010	40	0.90 lakh	2008 &2010	40	Completed
5	Fencing	ICAR	NA	800mtr	17.0 lakhs	2011	250 mtrs	On going
6	Rain Water harvesting system	- do -	2011	4210.5	6.0 lakhs	2011	-	Completed
7	Threshing floor		NA	NA	NA	NA	NA	NA
8	Farm godown	Host	5.2.2010	18.56	0.75 lakhs	15.1.2010	-	Completed

B) Vehicles

T	Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Ma	ahindra Marshall	2004	5.4 lakhs	87,500 km	Need replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
1. Computer	2004	70000	Good
Sound system	2005	60000	Good
3. Digital camera	2004	70000	Unserviceable
4. OHP	2004	5000	Good
5. Laptop	2008	37,000	Good
6. Handycam	2008	16,000	Good
7. Photocopier	2010	1,20,000	Good
8. Handycam	2010	18,000	Good
9. Computer	2010	45,000	Good
10. LCD projector	2010	55,000	Good

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

SI.No.	Date	Name and Designation of Participants		Salient Recommendations	Action taken
		 A.Y. Ovung, Director(Agri), & SNO 	✓	Approval of all the publications	
		2. T.V. Holo, Jt. Director (Agri)	✓	Name of local check varieties	All the
1.	27/08/10	3. Dr. Deepak Chetri, Dy. Director (Agri)		to be indicated.	recommendations
		4. T.Achim Yim, PEX AIR Mokokchung	✓	Attention to be focused on	were refined and
		5. Tsuknungtemjen , HO, DHO		sericulture	finalized for
		6. Dr. meren, DVO	✓	Presentation of activities report	implementation of the
		7. Imrong, DHO Mokokchung		and action plan	programmes
		8. Yashi Jamir, DFO			
		9. N. Tekatushi Ao, Jt.Dir. SARS			
		10. Dr. I. Amenla, LTO, Agri			
		11. S.Bendangtemsu, DAO Mkg			
		12. T. Marchiba Jamir, Nagaland Banana			
		chips, Changtongya			
		13. Bendang T. Jamir, DSO(Seri)			

14. Lily Tep, SDO (Soil)	
15. T. Wathy Jamir, Junior Engineer	
16. K.V. Rajendranath, Project Officer	
17. All KVK staffs	

^{*} Attach a copy of SAC proceedings along with list of participants

2. DETAILS OF DISTRICT (2010-2011)
 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Agriculture +Horticulture
2	Agriculture + Veterinary
3	Agriculture + Fishery
4	Agriculture + Horticulture + Veterinary + Fishery

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

SI. No	Agro-climatic Zone	Characteristics
1	Mid Tropical hill Zone	 Hot and humid in the foot hills to moderate in the mid and high with heavy rainfall during summer
		ii. Moderate to extreme cold and dry in higher altitude during winter

SI. No	Major agro ecological situations	Characteristics
1	AES – 1 (Below 500 msl)	Hot & Humid with sub tropical climate
2	AES – II (500-1000 msl)	Moderate, sub-montane hill zone
3	AES – III (1000-1500 msl)	Moderate to extreme cold and dry during winter
4	AES – IV (Above 1500 msl)	Moderate to extreme cold and dry during winter

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
		20-35% clay	1,20,000
1	Sandy clay loam	28% silt	
		45% more sand	
		pH 4-5	
		27-40% clay	40,000
2	Clay Loam	20-45% sand	
		Medium organic matter	
		pH 4-5	
3	Forest Soil	Broad leaves rain forest, evergreen, temperate climate, high organic matter, dark	50
		brown soil with pH 4	

SI.No.	Crop	Area (ha)	Production (QtI)	Productivity(Qtl/ha)				
1	Jhum paddy	11450	21880	19.10				
2	TRC paddy	4935	15360	31.12				
3	Maize	1130	1140	37.53				
4	Tapioca	1050	308910	294.2				
5	Mustard	270	187	6.92				
6	Tomato	28	7600	271.4				
7	Potato	125	9375	75				
8	Colocassia	1500	1,80,000	120				
9	Passion fruit	908	63560	70				
10	Orange	460	20700	215				
11	Banana	270	3888	144.4				
12	Pineapple	340	238000	700				
13	Pear	16	3500	218.7				
14	Tea	520	3120	6 (made tea)				
15	Arecanut	44	600	15				

2.5. Weather data

Month	Rainfall (mm)	Tempe	Relative Humidity (%)	
		Maximum	Minimum	
April 2010	276.9	25.9	17.1	48
May	239.7	27.2	18.3	78
June	472.3	24.8	17.5	84
July	364.6	28.1	20.2	84
August	396.6	28.5	20.3	86
Sept	399.7	27.6	19.4	80
Oct	390.7	26.3	17.3	74
Nov	Nil	23.7	13.3	65
Dec	77.5	21.1	9.6	62

Jan 2011	221.6	19.1	7.6	63
Feb	48.3	22.5	10.6	60
March	103.5	25.6	14.1	60

Category	Area	Production	Productivity
Fish			
Marine			
Inland	208.50 ha	434 MT	2081.5 kg/ha
Prawn			
Scampi			
Shrimp			

2.6	Detail	ls of Operational	area / Villages (2010)-11)		
No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Ongpangkong (N)	Ungma, Mokokchung village, Longsa	Paddy, Maize, Tapioca Ginger, Passion fruit Tea, Piggery, Poultry, weaving	Low productivity due to non adoption of improved technology, Majority of the farmers involved in cultivation of mix crops, lack of awareness on potentialities of floriculture, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, lack of proper infrastructure and marketing network	Create awareness on fallow management and jhum intensification, Cultivation of both kharif and rabi vegetables, production of passion fruit, ginger, tapioca, tea on commercial scale, popularization of floriculture, handloom and handicraft, promotion of infrastructures and marketing network
2		Opangkong (s)	Chungtia, Aliba, Mangmetong	Paddy, Maize, Tapioca Cucumber, Passion fruit, Ginger, Orange	Low productivity due to non adoption of improved technology, Indiscriminate use of inorganic products in cucumber cultivation, lack of awareness on INM, lack of upgrade dairy breeds, inadequate availability of fodder, insect pest problem, lack of extension activities	Create awareness on fallow management and jhum intensification, Organic Off season cucumber cultivation, development of dairy and fodder crops, production of orange.
3		Kobulong	Mopungchuket Sungratsü	Paddy, Tapioca, Maize Passion fruit, ginger, Banana, Piggery, Poultry, Dairy, Sericulture	Low productivity due to non adoption of improved technology, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, pest /disease problem in crops and silkworm, lack of processing unit and marketing, lack of spinning & weaving centers, lack of awareness on citronella cultivation, Inbreeding, disease and nutrition in piggery	Create awareness on fallow management and jhum intensification, To increase productivity of passion fruit, ginger and vegetables, promotion on spinning and weaving centre of sericulture, popularization of citronella cultivation, awareness on breeding programme, prevention and control of disease, scientific feeding management
4		Changtongya	Chuchuyimlang, Mongsenyimti	Paddy, Tapioca, Maize, Collocasia, banana, Orange, Pineapple Tea, piggery, Poultry, Fishery	Low productivity due to non adoption of improved technology, lack of awareness on value addition products, insect pest and disease problem, poor transportation and marketing facilities, lack of upgraded breeds and health centre	Create awareness on fallow management and jhum intensification, To increase production of banana, tapioca, orange, pineapple, development of tea, arecanut, betel vine, improvement of piggery, fishery and sericulture,
5		Mangkolemba	Chungtia Yimsen Longnak, Longpayimsen	Paddy, Maize, Tapioca, Orange, Pineapple, Arecanut, Tea, betel vine, fishery, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge on improved method of cultivation , lack of processing unit, insect pest and disease problem, lack of awareness on INM, poor skill in fishery pond management, financial constraint to take up in commercial scale, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), production of oilseed and pulses, production of orange, pineapple, arecanut, tea and fish. Breeding programme for cattle and training of draught animals, prevention & control of swine diseases

6	Longchem	Yachang (C)	Paddy,	Unavailability of HYV (Promotion of HYV (paddy),
0	Longonom	Aonokpo	Tapioca, Maize, colocassia, Arecanut, betel vine, cattle, piggery	lowland paddy), Lack of knowledge and awareness on improved method of cultivation on plantation crops, lack of processing unit, lack of awareness on INM, financial constraint for commercial cultivation,	Commercial cultivation of arecanut, tea, rubber, betel vine, colocassia, orange, production of oilseeds and pulses, Breeding programme for cattle and training of draught animals, prevention & control of
				inadequate availability of ploughing bullock, swine diseases	swine diseases

2.7 Priority/thrust areas

Crop/Enterprise	Thrust area
Paddy	Crop production
Oilseeds	Crop production and management
Pulses	Crop production and management
Passion fruit	Increase productivity
Orange	Orchard management
Arecanut	Increase production
Tapioca	Soil and water conservation
Piggery	Breed and health management
Poultry	Feed and housing management
Goatery	Awareness, introduction and popularization
Apiculture	Honey bee production

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during April 2010-Mar.2011

OF	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1						2		
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers		
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
7	7	21	21	7	10	44	78	

Training (in	cluding spo under	nsored, vocationa Rainwater Harves	Extension Activities 4					
		3						
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achieve ment
Farmers								
Rural youth								
Extn. Functionaries								

Seed	Production (Qtl.)	Plantin	g material (Nos.)		
	5	6			
Target	Achievement	Target	Achievement		
46.02	32	6500	5000		

3.B. Abstract of interventions undertaken

						Intervent	ions		
S. No	Thrust area	Inrust area Enterp rise Problem	Identified Problem	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extensio n personn el if any	Extensi on activitie s	Supply of seeds, planting material s etc.
1	Introduction of QPM	Maize	Low production in local var.	Trial on optimum date of sowing	-	Cultivati on of QPM	-	Field day, method demo.	Seeds
2	Increase production oilseeds	Toria	Low production due to moisture stress and late sown condition	Trial on late sown toria variety	-	Cultivati on of late sown toria	-	Field day, demonst ration	Seed

3	Promotion of lime	Paddy	Low production	Effect of		1	_	Field day	seed
5	application	1 addy	due high pH	different				1 icia day	3000
			level						
				doses of					
				lime on					
				growth					
				and yield					
				paddy					
4	Increase Production	Tomato	Poor fruit size	Effect of	-	Different	-	Field day	seed
	and productivity			pruning on		methods			
				growth and yield		of pruning			
				yicia		on			
				5 (tomato		F:	
5	Introduction of suitable high	Passio n fruit	Low production	Performanc e trial on	-		-	Field day,	seedling
	yielding variety	11 II dit		passion fruit				demonst	
_		D 1/		5 (0		ration	
6	Introduction of new breed and	Poultry	Poor performance of	Performanc e of	-	Orientati on	-	Demonst ration	Vanaraja chicks
	improvement of		local/desi birds	Vanaraja		program			31110110
	backyard poultry			birds under		me on			
				different AES		Vanaraja			
7	Increase production	Okra	Low	Bioefficacy	-		-	Demonst	Seeds
			productivity due to	of botanical on Okra				ration	
			incidence of	shoot and					
			shoot and fruit	fruit borer					
8	Increase production	Paddy	Low production	_	System of	SRI		Field day	Seed
O	and productivity	1 addy	Low production		Rice	cultivatio		1 icia day	Occu
					Intensificati	n			
					on	techniqu e			
9	Vegetable	Tomato	Use of low	-	Megha -1	Ŭ	-	Field	Seed
	production		yielding local		for higher			day,	
10	Introduction of	Broccol	cultivars Lack of	_	production Cultivation	Package	_	leaflet Field	Seed
. •	exotic vegetable	i	awareness on		of broccoli	and		day,	3
			cultivation of			practice of		demonst	
			high value crop			broccoli		ration, leaflet	
11	Commercial	Soybea	Grown as	-	Cultivation	Commer	-	Field day	Seed
	cultivation	n	mixed crop in Jhum		of soybean	cial cultivatio			
			Jiluili			n of			
						soybean			
12	Popularized cultivation	French bean	Low production	-	Cultivation of French		-	Field day	Seed
	Cultivation	Dean			bean				
13	To popularized	Rice	Less	-	Cultivation		-	Field day	Seed
	cultivation	bean	awareness of the crop		of dwarf variety				
			potential		ricebean				
14	Increase production	Pea	Low production	-	Improved		-	Field	Seed
	of pulses				variety of			day, demonst	
					pea			ration	
15	Increase production	Toria	Low production	-	Cultivation	Promotio	-	Field day	Seed
	of oilseed		due to moisture stress and late		of late sown	n of toria producti			
			sown condition		variety	on			
16	Introduction of high	Ground	Use of low	-	Cultivation	Promotio	-	Field day	Seed
	yielding variety	nut	yielding varieties		of high yielding	n of groundn			
			varieties		variety	ut			
						cultivatio			
					ļ <u>.</u>	n		<u> </u>	
17	Control piglet	Piggery	Piglet anaemia	-	Iron		_)emonet	DIUIDIC
17	Control piglet disease	Piggery	Piglet anaemia	-	Iron supplement		-	Demonst ration	piglets

A.1 Abstract of the number of technologies assessed* in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation						1				1
Seed / Plant										
production										
Weed										
Management	1				1					2
Integrated Crop	1				1					2
Management										
Integrated										
Nutrient										
Management										
Integrated										
Farming										
System										
Mushroom										
cultivation										
Drudgery										
reduction										
Farm										
machineries										
Value										
addition										
Integrated					1					1
Pest Management										
Integrated										
Disease										
Management										
Resource										
conservation										
technology										
Small Scale										
income										
generating										
enterprises TOTAL	1				2	1				4
IOIAL	•	ĺ			-	<u> </u>				7

A.2. Abstract of the number of technologies refined* in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal										
Evaluation										
Seed / Plant										
production										
Weed										
Management										
Integrated	1	1								2
Crop										
Management										
Integrated										
Nutrient										
Management										
Integrated										
Farming										
System										
Mushroom										
cultivation										
Drudgery										
reduction										
Farm										
machineries										
Post Harvest										
Technology										
Integrated										
Pest										
Management										
Integrated										
Disease										
Management										

Resource conservation technology						
Small Scale						
income						
generating						
generating enterprises						
TOTAL	1	1				2

A.3. Abstract of the number of technologies assessed in respect of livestock / enterprises :

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

A.4. Abstract on the number of technologies refined in respect of livestock / enterprises: NA

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

B. Details of each On Farm Trial to be furnished in the following format

A. Technology Assessment

Trial	1

1) Title : Effect of different doses of Agri. lime on growth and yield of upland paddy

Problem diagnose/defined : Low yield due to low pH (below 4.5)
 Details of technologies : a) 200gm lime mixed with 100 gm seed selected for assessment b) 400gm lime applied in 7.5sqm area

c) 300gm lime applied in 7.5sqm aread) 200 gm lime applied in 7.5sqm area

e) Control

4) Source of technology : SARS, Yisemyong

5) Production system : Rainfed paddy based system
6) Thematic area : Upland paddy production

7) Performance of the : Application of lime @ 400gm in 7.5 sqm area gives the highest yield (42.66q/ha)

Technology with which increased in production by 24.71%

performance indicators

8) Final recommendation for : Application of 5 qtls. agri. lime per hectare is recommended

micro level situation

9) Constraints identified and : Scarcity of agri. lime, lack of awareness, more refinement and validation works need

feedback for research to be taken up.

10) Process of farmers : Farmers has shown keen interest and took active part during the process.

participation and They are willing to take up the technology if agri. lime is made available.

their reaction

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Upland paddy	Rainfed	Low yield due to low pH	Effect of different doses of Agri. lime on growth and yield of upland paddy	3	Different doses of lime application	a)200gm lime mixed with 100 gm seed b) 400gm lime applied in 7.5sqm area c)300gm lime applied in 7.5sqm area d)200 gm lime applied in 7.5sqm area e) Control	37.24 42.6 38.1 34.84 29.86	Application of lime @ 400gm in 7.5 sqm area gives the highest yield (42.66q/ha) which increased in production by 24.71%	Farmers has shown keen interest and took active part during the process. They are willing to take up the technology if agri. lime is made available.

Technology Assessed	*Production per unit (Kg/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
200gm lime mixed with 100 gm seed	3724	25188	1:2
400gm lime applied in 7.5sqm area	4260	31620	1:3
300gm lime applied in 7.5sqm area	3810	26220	1:2
200 gm lime applied in 7.5sqm area	3484	22308	1:2
Control	2986	16332	1:2

Trial 2

1) Title : Effect of pruning on growth and yield of tomato

2) Problem diagnose/defined : poor fruit size

3) Details of technologies

selected for assessment : 1) control (no pruning)

Treated a) Single stem maintained
 b) Double stem maintained

4) Source of technology : AAU, Jorhat5) Production system : Rainfed

6) Thematic area : Tomato production

7) Performance of the

Technology with

performance indicators : The growth was better in double stem pruned plants (plant height =50 cm, No.

of flowers/ truss = 9.17) than the single stem and control. However, the yield was higher in control (302 qt./ha) but net return was low in control due to poor

fruit size.

8) Final recommendation for

micro level situation : Maintaining of double stem can be promoted for achieving better fruit size and

returns.

9) Constraints identified and

feedback for research : Labourious, cost involvement is high and requires skilled labour.

10) Process of farmers

participation and

their reaction : Farmers actively participated throughout the cultivation period but commented

that it is labourious and requires a skill person.

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Tomato	Rainfed	Low production	Effect of pruning on growth and yield of tomato	3	Pruning	Plant height, No of flower/truss, fruit volume, yield	50cm, 9.17 58.97cc/ml, 281q/ha	Highest yield was obtained from control however market value was low	labourious and requires skilled labour

Technology Assessed	*Production per unit (Kg/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Single stem maintained	26000	1,66000	1:4
Double stem maintained	28100	1,82800	1:5
Control	30200	1,11000	1:3

Trial 3

1) Title : Performance trial on passion fruit

2) Problem diagnose/defined : Low production

3) Details of technologies

selected for assessment : Yellow type
4) Source of technology : SASRD
5) Production system : Rainfed

6) Thematic area : Fruit production

7) Performance of the

Technology with

performance indicators : On going

8) Final recommendation for

micro level situation : On going

9) Constraints identified and

feedback for research : On going

10) Process of farmers

participation and

their reaction : On going

11) Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Passion	Rainfed	Low	Performance	3	Yellow type	Survival	On	On	On
fruit		production	trial			%,	going	going	going
						growth,			
						resistance			
						to wilt,			
						yield			

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Purple type	On going	On going	On going
Yellow type	On going	On going	On going

Trial 4

1) Title : Performance of vanaraja birds under different AES

2) Problem diagnose/defined : Poor performance of local/desi birds

3) Details of technologies

selected for assessment : Vanaraja

4) Source of technology : Project Directorate on Poultry, (PDP), Hyderabad

5) Production system : Backyard

6) Thematic area : Poultry improvement

7) Performance of the

Technology with

performance indicators : On going

8) Final recommendation for

micro level situation : On going

9) Constraints identified and

feedback for research : On going

10) Process of farmers

participation and

their reaction : On going

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technolog y Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedba ck from the farmer
1	2	3	4	5	6	7	8	9	10
Poultry	Backyard	Poor	Performanc	20	Vanaraja	Growth rate,	Ongoing	On going	
		performanc	e of			Mortality rate,			
		e of	vanaraja			Survivality rate,			
		local/desi	birds under			Egg laying			
		birds	different			capacity,			
			AES			Incidences of			
						diseases			

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Vanaraja	Ongoing	Ongoing	Ongoing
Local bird	Ongoing	Ongoing	Ongoing

Trial 5

Title : Bio-efficacy of botanical on okra shoot and fruit borer
 Problem diagnose/defined : Low production due to incidence of shoot and fruit borer

3) Details of technologies

selected for assessed : NSKE 5%, Neem oil 3%, Control

4) Source of technology : PJNC of Agriculture and Research Institute Karaikal, Pondicherry

5) Production system : Rainfed

6) Thematic area : Pest management

7) Performance of the

Technology with

performance indicators : Among the treatments, lowest shoot (9.76%) and fruit (12.15 %) damaged was

observed from application of NSKE 5%.

8) Final recommendation for

micro level situation : Application of NSKE 5% at weekly interval

9) Constraints identified and

feedback for research : Bio agents are not available in time.

10) Process of farmers

participation and

their reaction : The farmers were cooperative in carrying out the management programme and

were convinced to learn about eco-friendly management strategy . Though the bio agent performed well, non availability of agent at right time is a problem for

the farmers

11). Results of On Farm Trials

Crop/ enterp rise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technolog y assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Okra	Rainfed	Low	Bioeffic	3	NSKE 5%,	Shoot damage	9.76 %	Among the	Though the
		production	acy of			Fruit damage	12.15 %	treatments,	bio agent
		due to	botanic			Yield	86.45 q/ha	lowest shoot	performed
		incidence of	al on		Neem oil	Shoot damage	10.28 %	(9.76%) and	well, non
		shoot and	okra		3%,	Fruit damage	13.83 %	fruit (12.15 %)	availability of
		fruit borer	shoot			Yield	83.12 q/ha	damaged was	agent at
			and fruit			Shoot damage	24.33%	observed from	right time is
			borer		Control	Fruit damage	37.89 %	application of	a problem
						Yield	42.16 q/ha	NSKE 5%.	for the
									farmers

Technology assessed	*Production per unit(Kg/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
NSKE 5%	8645	50450	1:2.6
Neem oil 3%	8312	51120	1:2.5
Control	4216	16160	1:1.6

B. Technology Refinement

Trial 1:

1) Title : Performance trial on optimum date of sowing

2) Problem diagnose/defined : Low production in local cultivars

3) Details of technologies : HQPM-1

selected for refinement

4) Source of technology : CCSHAU, Karnal, 2005

5) Production system : Rainfed

6) Thematic area : Cereal production

7) Performance of the : As per the record, seed sown on 7th April resulted the highest yield (42.6 q/ha)

Technology with performance where as lowest yield (36.2q/ha) was obtained from 21st April sowing

indicators

8) Final recommendation for : The optimum time for sowing is 1st week of April under rainfed condition

micro level situation

9) Constraints identified and : Non availability of seeds, research on seed production to maintain parental

feedback for research line should be taken up.

10) Process of farmers : Farmers participated through the trial period maintaining all necessary record.

participation and their reaction Though the yield was high the farmers have less preference for consumption

due poor taste.

11). Results of On Farm Trials

Crop/ enterp rise	Farmin g situatio n	Problem Diagnosed	Title of OFT	No. of trials*	Tech nolo gy refin ed	Paramete rs of refinemen t	Data on the parameter	Results of refinement	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Maize	Rainfed	Low	Perfor	3	HQP	- Plant	■198 cm	7 th April sowing	Though the
		production	manc e trial		M-1	height	1.25	resulted the	yield was high
		inf local	on			- No. of	■ 301.1 gm	highest yield	the farmers
		varieties	optim um			cob/pl	■ 42.6 q/ha	(42.6 q/ha) while	have less
			date			- 1000grain		lowest yield	preference for
			of sowin			wt		(36.2q/ha) was	consumption
			g			- Grain		obtained from 21 st	due poor taste.
						Yield		April sowing	

Technology refined	*Production per unit (Kg/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
25 th March	3850	38750	1:3
31 st march	4010	41150	1:3.2
7 th April	4260	44900	1:3.4
14 th April	4180	43700	1:3.3
21 st April	3620	35300	1:2.8

Trial 2:

I. Title : Multi-locational Trial on late sown Toria

2. Problem diagnose/defined : Low production due to moisture stress and late sown condition

3. Details of technologies : TS - 36

selected for refinement

4. Source of technology : RARS, Shillongani

5. Production system : Rainfed

6. Thematic area : Oilseed production

7. Performance of the : AES –I recorded the highest yield (8q/h) while the yield was obtained from

Technology with performance AES-IV TS-36 yield (6.1 q/ha)

indicators

8. Final recommendation for : As per the result, AES –I has more potentiality for oilseed production. micro level situation : Therefore, TS -36 should be taken up in large scale in this AES

9. Constraints identified and : Less popular among farmers due to non availability of irrigation

feedback for research facilities and lack of managemental knowledge. Create awareness on improved

cultivation practices

10. Process of farmers : Farmers shown their active participation with much enthusiasm

participation and their reaction and since the variety is good and tolerant to moisture stress farmers are willing

to take up this crop.

11). Results of On Farm Trials

Crop/ enterp rise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Techn ology refined	Paramete rs of refinemen t	Data on the parame ter	Results of refinement	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Toria	Rainfed	Low productivity of local varieties due to moisture stress	Multilo cationa I Trial on late sown Toria	4	TS -36	- Plant height - No. of Branches - Yield	■ 38 cm ■14 ■ 8 qt.	AES-I resulted the highest yield (8 q/ha) while lowest yield (6.1q/ha) was obtained from AES-IV	Since the variety is good and tolerant to moisture stress farmers are willing to take up this crop

Technology refined	*Production per unit (Kg/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
AES –I (Av. of 3 farmers)	8000	155000	1:4.4
AES –II (Av. of 3 farmers)	7400	140000	1:4.1
AES –III (Av. of 3 farmers)	6800	125000	1:3.8
AES –IV (Av. of 3 farmers)	6100	107500	1:3.4

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2010-11 and recommended for large scale adoption in the district

S.	Crop/	Thematic Area*	Technology	Details of popularization	Horizontal spread of technology			
No	Enterprise		demonstrated	methods suggested to the Extension system	No. of villages	No. of farmers	Area in ha	
1	Soybean	Pulses production	JS -335	Higher yield, economic potential	4	8	2	
1	Toria	Production and management	TS-38	Withstand more moisture stress compared to local varieties and gave high yield	3	8	2	
2	Tomato	Vegetable production	Megha-1	High yield, economic potential	2	4	1	

b. Details of FLDs implemented during 2010-11 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

SI.	Crop	Thematic	Technology Demonstrat	Season and	Area	(ha)		o. of farme emonstrati		Reasons for shortfall in achievement
No		area	ed	year	Proposed	Actual	SC/S T	Others	Total	
1	Paddy	Increase producti on and producti vity	SRI	Kharif, 2010	2	1.5	6		6	Lack of confident to take of new technique of cultivation
2	Tomato	Increase vegetabl e producti on	Megha -1	Rabi, 2010	2	1	6		6	Unavailable of adequate seeds
3	Broccoli	High value vegetabl e producti on	Pushpa	Rabi, 2010	1	0.5	4		4	Irrigation problem
4	Soybean	Integrat ed crop manage ment	JS- 335	Kharif 2010	2	2	4		4	-
5	French bean	Crop producti on and manage ment	Local (mutre)	Kharif, 2010	3	2	8		8	Unavailabilit y of cultivable jhum area
6	Toria	Crop producti on and manage ment	TS-38	Rabi 2010	4	2	8		8	Irrigation problem
7	Rice bean	Integrat ed crop manage ment	Chakhesa ng local dwarf	Kharif 2010	4	2	8		8	unavailability of cultivable land
8	Pea	Pulses production	Arkel	Rabi 2010	3	2	6		6	Irrigation problem
9	Groundnut	Oilseed producti on	JL-24	Kharif, 2010	4	2	8		8	Less popular among farming community

Details of farming situation

Crop	Season	Farming situation F/Irrigated)	Soil type	St	atus of soi	I	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	o. of rainy days
		R 8		N	Р	К	Pre	SS .	На	Seas	N _o
Paddy	Kharif	Rainfed	Clay loam	2.2%	8.6 kg/ha	127 kg/ha	Paddy	June 20101	Nov, 2010	1990	122
Tomato	Rabi	Rainfed	Clay loam	1.67 %	10.2 kg/ha	129 kg/ha	Paddy	Sep. 2010	-	1247	50
Broccoli	Rabi	Rainfed	Silt loam	1.81 %	9.7 kg/ha	133 kg/ha	Paddy	Oct 2010	-	856.3	37
Soybean	Kharif	Rainfed	Silt loam	-	8.2 kg/ha	58.2 kg/ha	Paddy	June 2010	Oct. 2010	1960.8	112
French bean	Kharif	Rainfed	Silt loam	-	11.03 kg/ha	130 kg/ha	Paddy	March 2010	Oct. 2010	2330.9	148
Toria	Rabi	Rainfed	Silt loam	-	9.5 kg/ha	155 kg/ha	Paddy, maize	Oct. 2010	Feb. 2011	738.1	21
Rice bean	Rabi	Rainfed	Silt loam	-	10.89 kg/ha	152 kg/ha	Paddy	July 2010	Dec. 2010	1629.1	87
Pea	Rabi	Rainfed	Silt loam	-	8.0 kg/ha	64.6 kg/ha	Paddy, tapioca	Oct. 2010	-	846.6	31
Groundnu t	Kharif	Rainfed	Silt loam	-	14 kg/ha	160 kg/ha	Paddy	May 2010	Oct. 2010	2200.5	133

Performance of FLD

SI.	Crop	Technol ogy demonst	Variety	No. of farm	Ar ea (h	Demons	Demonstrated		Loc al che	Increa se in yield	Data in relation to technology	
		rated		ers	à)	Highe st	Lowest	Avera ge	ck	(%)	Demonstra ted	Local check
1	Paddy	SRI	IR-64	6	1.5	42.5	37	40	31	29.03 %	No. of effective tillers- 14, No.of grains/panic le - 154	No. of effective tillers- 10, No.of grains/panicle - 126
2	Tomato	Megha 1	Megha 1	6	1	349	273	311	214	31.2	Plant ht.: 51.4 cm Fruit wt: 48.7 gm Yield: 349q/ha	Plant ht.: 44.9 cm Fruit wt.: 17.2 gm Yield: 214q/ha
3	Broccoli	Pushba	Pushba	4	0.5	75	51	61	46	24.6	Plant ht.: 34.3 cm Head wt.: 365 gm Yield: 75q/ha	Plant ht.: 31.5 cm Head wt.: 249 gm Yield: 46q/ha
4	Soybean	JS-335	JS-335	4	2	14.41	11.25	12.83	10.6 2	20.24	Pods/plant :52 Yield: 14.41q/ha	Pods/plant :44 Yield: 10.62q/ha
5	French bean	Mutre	Mutre	8	2	21.9	18.92	20.41	18.2 3	11.95	Pods/plant :48 Yield: 21.9 g/ha	Pods/plant :39 Yield: 18.23 q/ha
6	Toria	TS-38	TS-38	8	2	4.68	3.97	6.82	5.68	17.39	Plant ht.: 38 cm Yield: 4.69q/ha	Plant ht. : 36 cm Yield: 3.68q/ha
7	Rice bean	Chakhes ang local dwarf	Chakhe sang local dwarf	8	2	9.16	8.55	8.86	7.92	11.87	Pods/plant :58 Yield: 9.16 q/ha	Pods/plant :47 Yield: 7.92 q/ha
8	Pea	Azad	Azad	6	2	14.11	12.98	13.55	11.8 6	14.25	Pods/plant : 34 Yield: 14.11 q/ha	Pods/plant :24 Yield: 11.86 q/ha
9	Groundnut	JL-24	JL-24	8	2	10.65	8.55	9.6	8.4	14.48	Yield: 9.6 q/ha	Yield: 8.4 q/ha

Economic Impact (continuation of previous table)

Average Cost of c (Rs./ha)	ultivation	Average Gross Retu	rn (Rs./ha)	Average Net Retur (Rs./ha)	Benefit-Cost Ratio (Gross		
Demonstration	Local Check	Demonstration		Demonstration	Local Check	Return / Gross Cost)	
14	15	16	17	18	19	20	
21000	17500	48000	31540	27000	14040	1:3.3	
63500	48200	349000	214000	285000	165800	1:5	
52450	47750	112500	69000	60050	21250	1:2	
10500	9500	38490	31860	27990	22360	1:4	
11000	10000	40820	36460	29820	26460	1:4	
10000	8800	20304	17296	10304	8496	1:2	
10500	10000	26850	23760	16080	13760	1:2	
10800	9000	37940	33208	27140	24208	1:3	
11000	10000	38400	33600	27400	23600	1:3	

Technical Feedback on the demonstrated technologies

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Paddy	Kharif	1. Seed/Variety- IR-64	Rainfed	40	31	29.03
		2. Bio-fertilizer				
		Fertilizer management – 120:80:60 (NPK kg/ha)				
		4. Plant Protection -				
		5. Combination of components				

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Water use efficiency
2	Higher yield

Farmers' reactions on specific technologies

S. No	Feed Back
1	Requires skill and more labour for weeding
2	Withstand lodging and give higher yield

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Tomato	Rabi	Variety: Megha 1	Rainfed	311	214	31.2
		Biofertilizer				
		Fertilizer: 100:70:60 (NPK kg/ha)				
		Plant protection : Indofil M-45				
		Combination				

Feedback

1	Megha -1 is a good variety for the district giving a high yield but due to irrigation problem large scale cultivation cannot be taken up
2	Very low pest/disease problem and results in good return

Feedback

1	Pulpy and more juice but Less seed content for seed preservation
2	If irrigation facility is assured they want to take up on commercial scale
3	Minimum wastage due to less pest infestations.

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Broccoli	Rabi	Variety: Pushba	Rainfed	75	46	24.6
		Biofertilizer				
		Fertilizer: 90:80:60 (NPK kg/ha)				
		Plant protection:				
		Combination				

Feedback

1	New crop but farmers are aware about its value.
2	Requires more and better managemental practices.

Feedback

1	Fetches good price in the local market
2	Want to take up in commercial scale but shelf life is short

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Soybean	Kharif	1. Seed/Variety- JS- 335	Rainfed	11.2	8.5	
		2. Bio-fertilizer				
		3. Fertilizer management – 20:40:20 (NPK kg/ha)				
		4. Plant Protection -				
		5. Combination of components				

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Plant height is much shorter than the local varieties with higher yield
2	Can be grown as intercropp along with paddy, less insect pest problem

Farmers' reactions on specific technologies

	Todations on opcome technologies
S. No	Feed Back
1	Withstand lodging problem
2	Crop duration is shorter than the local varieties

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
French	Spring	Seed/Variety- local Mutre	Rainfed	13.3	11.2	
bean						
		2. Bio-fertilizer				
		Fertilizer management				
		4. Plant Protection				
		5. Combination of components				

Technical Feedback on the demonstrated technologies

S. No	Feed Back	
1	Fo get additional income before the kharif paddy sown	
2	To reclaim soil fertility	

Farmers' reactions on specific technologies

S. No	Feed Back
1	Within a short period, good extra income generate
2	Next crop (paddy) is not effect by taken up the crop

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Toria	Rabi	1. Seed/Variety- TS - 38	Rainfed	6.82	5.65	
		2. Bio-fertilizer				
		3. Fertilizer management – 25:30:15 (NPk kg/ha)				
		Plant Protection – Rogor @ 1ml/lit of water against aphid				
		5. Combination of components				

Technical Feedback on the demonstrated technologies

	A THIRD A TO CONDUCT OF THE CONTENDED CONTENDE CONTENDED CONTENDE		
S. No	eed Back		
1	Can withstand more moisture stress compared to local		
2	Late sown variety and suitably suit crop rotation		

Farmers' reactions on specific technologies

S. No	Feed Back
1	Can be sown after paddy since it can tolerate late sown condition
2	Higher yield than local cultivars

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Rice bean	Rabi	Seed/Variety- Chakesang local dwarf	Rainfed	8.86	7.9	11.9
		2. Bio-fertilizer				
		Fertilizer management				
		4. Plant Protection				
		5. Combination of components				

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Can be grown as rally crop with Jhum paddy
2	Enhance soil fertility for next crop

Farmers' reactions on specific technologies

i dilliolo	readitions on opcome tearner gree
S. No	Feed Back
1	Farmers prefer its bushy character as it reduce labour for weeding and cost of staking
2	Pod size are bigger and yield is more with the local cultivars

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Pea	Rabi	1. Seed/Variety- Arkel	Rainfed	13.55	11.9	14.25
		2. Bio-fertilizer				
		3. Fertilizer management – 20:40:20 (NPK kg/ha)				
		4. Plant Protection - Bavistin				
		5. Combination of components				

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	As crop rotation after paddy instead of leaving the field fallow
2	High yielding

Farmers' reactions on specific technologies

1 annois	arriera reactiona di apecinic tecrinologica							
S. No	Feed Back							
1	Fetch good return							
2	Require stalking for better yield							

Crop	Season	Component Farming situation		Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check	
Groundnut	Rabi	1. Seed/Variety- JL-24	Rainfed	9.6	8.4	14.48	
		2. Bio-fertilizer					
		4. Fertilizer management – 20:40:20 (NPK kg/ha)					
		4. Plant Protection - Bavistin					
		5. Combination of components					

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Can be grown as intercrop along with maize
2	Require less managemental practices and improve soil fertility

Farmers' reactions on specific technologies

S. No	Feed Back
1	Earn additional return
2	Supply of seed and market linkage improvement is required

Extension and Training activities under FLD

SI.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	9	27/11/10, 12/03/11, 06/12/10, 30/11/10,28/02/11, 24/02/11, 16/12/10, 05/01/11, 16/11/10	320	Farmers are willing to take up the new and improved technologies on a larger scale. But are apprehensive on sufficient availability of inputs and seeds.
2	Farmers Training	9	17/03/10, 07/09/10, 17/09/10, 27/05/10, 08/01/11, 01/11/10, 15/06/10, 06/10/10, 31/05/10	210	Provided proper platform for helping the farmers develop required skills and knowledge
3	Media coverage	6			News paper coverage, Radio talk
4	Training for extension functionaries	2	06/10/10,29/10/10	37	Facilitates update knowledge on new improved technologies

Details of FLD on Enterprises: NA (i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters /	* Data on par relation to te demonst	chnology	% change in the parameter	Remarks
implement		lamers	(Ha)	indicators	Demon.	Local check	parameter	

(ii) Livestock Enterprises:

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated Demon. Local check		in relation to technology demonstrated Demon Local		in relation to technology demonstrated Demon Local		in relation to technology demonstrated Demon Local		% change in the parameter	Remarks
Pig	Local upgraded	20	158	Body weight at weaning (2 Months)	7.7 Kg	7 kg	10% more in body weight at weaning	Altogether 158 piglets were involved of which 79 piglets were given iron supplementation (injection) and the other half 79 were not given the iron supplementation. Of the 79 piglets that were not given iron supplementation 32 numbers suffered from piglet anemia of which two died						

(iii) Other Enterprises: NA

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on pa in relati techno demons Demon.	on to logy	% change in the parameter	Remarks
Mushroom								
Apiary								
Sericulture								
Vermi compost								

3.3 Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :

A: ON Campus (2010 – 11)

Thematic area	No. of					Participants		-			
	courses		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm											
Women											
I Crop Production											
Weed Management	1				10	15	25	10	15	25	
Resource	1				12	13	25	12	13	25	
Conservation											
Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming											
Water management											
Seed production											
Nursery management											
Integrated Crop											
Management											
Fodder production										1	
Production of organic			1						İ		
inputs									1		
II Horticulture	† †								1		
a) Vegetable Crops	1		1						1		
Production of low	 								1		
volume and high value											
crops											
Off-season vegetables											
Nursery raising	+										
Exotic vegetables like	1				11	14	25	11	14	25	
Broccoli	ı				''	14	25	11	14	25	
Francisco de la contractica del la contractica del la contractica de la contractica					<u> </u>						
Export potential											
vegetables	ļ -										
Grading and											
standardization											
Protective cultivation											
(Green Houses, Shade											
Net etc.)											
b) Fruits											
Training and Pruning											
Layout and									1		
Management of									1		
Orchards									ļ		
Cultivation of Fruit									ļ		
Management of young									1		
plants/orchards									ļ		
Rejuvenation of old									1		
orchards											
Export potential fruits											
Micro irrigation	1								<u> </u>		
systems of orchards											
Plant propagation									1		
techniques	<u> </u>			<u> </u>				<u> </u>	<u> </u>	<u></u>	
c) Ornamental Plants]		
Nursery Management											
Management of potted					Ì						
plants									1		
Export potential of										1	
ornamental plants									1		
Propagation	†								1		
techniques of									1		
Ornamental Plants			İ	1			İ	Ì	İ		

	,		,	•		•			
d) Plantation crops									
Production and									
Management									
technology Processing and value									
addition									
e) Tuber crops									
Production and									
Management									
technology									
Processing and value									
addition									
f) Spices Production and									
Management									
technology									
Processing and value									
addition									
g) Medicinal and									
Aromatic Plants									
Nursery management Production and									
management									
technology									
Post harvest	1			12	13	25	12	13	25
technology and value									
addition									
III Soil Health and	1			11	14	25	11	14	25
Fertility Management				1					
Soil fertility management									
Soil and Water									
Conservation									
Integrated Nutrient									
Management									
Production and use of									
organic inputs									
Management of Problematic soils									
Micro nutrient									
deficiency in crops									
Nutrient Use Efficiency									
Soil and Water Testing									
IV Livestock									
Production and									
Management									
Dairy Management Poultry Management									
Piggery Management									
Rabbit Management									
Disease Management	1			12	13	25	12	13	25
Feed management									
Production of quality									
animal products									
V Home									
Science/Women empowerment									
Household food									
security by kitchen									
gardening and nutrition									
gardening									
Design and									
development of									
low/minimum cost diet Designing and									
development for high									
nutrient efficiency diet									
Minimization of nutrient									
loss in processing									
Gender mainstreaming									
through SHGs									
Storage loss minimization									
techniques									
Value addition									
Income generation									
activities for									
empowerment of rural									

Women										
Location specific										
drudgery reduction										
technologies										
Rural Crafts										
Women and child care										
VI Agril. Engineering										
Installation and										
maintenance of micro										
irrigation systems										
Use of Plastics in										
farming practices										
Production of small										
tools and implements										
Repair and										
maintenance of farm										
machinery and										
implements										
Small scale processing										
and value addition										
Post Harvest										
Technology										
VII Plant Protection										
Integrated Pest		<u> </u>	_					_		1
Management										
Integrated Disease		<u> </u>	_					_		1
Management										
Bio-control of pests	1]	_		12	13	25	12	13	25
and diseases										
Production of bio										
control agents and bio										
pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and										
hatchery management		L								
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										
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	<u></u>		<u> </u>		<u></u>		<u> </u>			
Production of fry and									· · · · · · · · · · · · · · · · · · ·	
fingerlings			<u> </u>							
Production of Bee-									· · · · · · · · · · · · · · · · · · ·	
colonies and wax										
sheets										
Small tools and										
implements		<u> </u>								
Production of livestock]	_					_		1
feed and fodder		<u> </u>								
Production of Fish feed		<u> </u>								
		1	i e	1	i	ī	i			
X Capacity Building and Group Dynamics										

Leadership										
development										
Group dynamics										
Formation and										
Management of SHGs										
Mobilization of social										
capital										
Entrepreneurial development of										
farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production										
technologies										
Nursery management										
Integrated Farming										
Systems										
TOTAL	7				80	95	175	80	95	175
(B) RURAL YOUTH					00	95	173	00	90	173
Mushroom Production	1				13	12	25	13	12	25
Bee-keeping	<u>'</u>				10	12	23	13	12	20
Integrated farming										
Seed production			1							
Production of organic			1							
inputs										
Integrated Farming			1							
Planting material			1							
production										
Vermi-culture	1		1		12	13	25	12	13	25
Sericulture	'		1		12	10	20	12	10	20
Protected cultivation of			1							
vegetable crops										
Commercial fruit										
production										
Repair and										
maintenance of farm										
machinery and										
implements										
Nursery Management										
of Horticulture crops										
Training and pruning of										
orchards										
Value addition										
Production of quality										
animal products										
Dairying										
Sheep and goat										
rearing										
Quail farming										
Piggery	1				14	11	25	14	11	25
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension	<u> </u>]						
workers										
Composite fish culture										
Freshwater prawn	<u> </u>]						
culture			ļ							
Shrimp farming			ļ							
Pearl culture										
Cold water fisheries										
Fish harvest and			<u> </u>	<u> </u>						
processing technology					<u> </u>					
Fry and fingerling										
rearing			ļ							
Small scale processing			1							
Post Harvest	1				13	12	25	13	12	25
Technology	•		ļ	ļ	1					
Tailoring and Stitching					<u> </u>					
Rural Crafts					<u> </u>					
TOTAL	4		ļ	ļ	52	48	100	52	48	100
(0) = .			ļ	ļ	1					
(C) Extension										
Personnel			ļ	ļ	1					
Productivity										
enhancement in field										
crops		<u> </u>	İ	<u> </u>	l	<u> </u>				

Integrated Pest	1		8	7	15	8	7	15
Management								
Integrated Nutrient								
management								
Rejuvenation of old								
orchards								
Protected cultivation								
technology								
Formation and	1		9	9	18	9	9	18
Management of SHGs	'							
Group Dynamics and								
farmers organization								
Information networking								
among farmers								
Capacity building for	1		9	8	17	9	8	17
ICT application	1							
Care and maintenance								
of farm machinery and								
implements								
WTO and IPR issues								
Management in farm								
animals								
Livestock feed and								
fodder production								
Household food								
security								
Women and Child care								
Low cost and nutrient								
efficient diet designing								
Production and use of								
organic inputs								
Gender mainstreaming								
through SHGs								
TOTAL	3		26	24	50	26	24	50

B: OFF Campus

Thematic area	No. of					Participants				
	courses		Others			SC/ST			Grand Total	
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm										
Women										
I Crop Production										
Weed Management										
Resource	1				11	14	25	11	14	25
Conservation										
Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management	1				12	13	25	12	13	25
Seed production										
Nursery management										
Integrated Crop										
Management										
Fodder production										
Production of organic										
inputs										
II Horticulture										
a) Vegetable Crops										
Production of low										
volume and high value										
crops										<u> </u>
Off-season vegetables										
Nursery raising	1				10	15	25	10	15	25
Exotic vegetables like										
Broccoli										
Export potential										
vegetables										
Grading and										
standardization										
Protective cultivation										
(Green Houses, Shade										1
Net etc.)										
b) Fruits										
Training and Pruning										<u> </u>
Layout and	1			l	13	12	25	13	12	25

						1	1		
Management of									
Orchards									
Cultivation of Fruit									
Management of young plants/orchards									
Rejuvenation of old									
orchards									
Export potential fruits									
Micro irrigation									
systems of orchards									
Plant propagation									
techniques									
c) Ornamental Plants									
Nursery Management									
Management of potted plants									
Export potential of									
ornamental plants									
Propagation									
techniques of									
Ornamental Plants									
d) Plantation crops									
Production and									1
Management									
technology									
Processing and value addition									
e) Tuber crops									
Production and									
Management									
technology									
Processing and value									
addition									
f) Spices									
Production and									
Management									
technology									
Processing and value addition									
g) Medicinal and									
Aromatic Plants									
Nursery management									
Production and									
management									
technology									
Post harvest									
technology and value									
addition III Soil Health and									
Fertility Management									
Soil fertility									
management									
Soil and Water	1			12	13	25	12	13	25
Conservation									
Integrated Nutrient						-			
Management									
Production and use of									
organic inputs									
Management of Problematic soils									
Micro nutrient									
deficiency in crops									
Nutrient Use Efficiency									
Soil and Water Testing									
IV Livestock									
Production and									
Management									
Dairy Management									
Poultry Management				10	40		40	40	
Piggery Management	1			12	13	25	12	13	25
Rabbit Management									
Disease Management	4			11	1.1	25	11	1.1	25
Feed management Production of quality	1			11	14	25	- 11	14	25
animal products									
V Home									
Science/Women									
empowerment		<u> </u>		<u> </u>		<u> </u>	<u> </u>		
					•				-

Household food									
security by kitchen									
gardening and nutrition									
gardening									
Design and									
development of									
low/minimum cost diet									
Designing and									
development for high									
nutrient efficiency diet									
Minimization of nutrient									
loss in processing									
Gender mainstreaming									
through SHGs									
Storage loss									
minimization									
techniques									
Value addition									
Income generation									
activities for									
empowerment of rural									
Women									
Location specific	1		1						
drudgery reduction									
technologies									
Rural Crafts	1		1						
Women and child care	1								
VI Agril. Engineering	†		†						
Installation and									
maintenance of micro									
irrigation systems									
Use of Plastics in									
farming practices									
Production of small									
tools and implements									
Repair and									
maintenance of farm									
machinery and									
implements Small scale processing									
and value addition Post Harvest									
Technology VII Plant Protection	 								
	 			40	40	25	40	40	0.5
Integrated Pest	1			12	13	25	12	13	25
Management	 								
Integrated Disease									
Management	1	1							
Die seetsel of seets				4.4	4.4	25	4.4	4.4	
Bio-control of pests	1			11	14	25	11	14	25
and diseases	1			11	14	25	11	14	25
and diseases Production of bio	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture Fish processing and	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture Fish processing and value addition	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture Fish processing and value addition IX Production of Inputs	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture Fish processing and value addition IX Production of Inputs at site	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture Fish processing and value addition IX Production of Inputs at site Seed Production	1			11	14	25	11	14	25
and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater prawn Breeding and culture of ornamental fishes Portable plastic carp hatchery Pen culture of fish and prawn Shrimp farming Edible oyster farming Pearl culture Fish processing and value addition IX Production of Inputs at site	1			11	14	25	11	14	25

production									
Bio-agents production		<u> </u>							
Bio-pesticides									
production									
Bio-fertilizer production		-		10	15	OF.	10	15	25
Vermi-compost production	1			10	15	25	10	15	25
Organic manures									
production									
Production of fry and									
fingerlings									
Production of Bee-									
colonies and wax									
sheets									
Small tools and									
implements									
Production of livestock									
feed and fodder									
Production of Fish feed									
X Capacity Building									
and Group Dynamics									
Leadership									
development			 <u> </u>			<u></u>	<u> </u>	<u> </u>	<u> </u>
Group dynamics									
Formation and								1	
Management of SHGs									
Mobilization of social								1	
capital									
Entrepreneurial							<u></u>]
development of									
farmers/youths		<u> </u>							
WTO and IPR issues		<u> </u>							
XI Agro-forestry		<u> </u>							
Production									
technologies		 						1	
Nursery management		 						ļ	
Integrated Farming									
Systems	40	1		444	100	050	44.	100	050
TOTAL	10	1		114	136	250	114	136	250
(B) RURAL YOUTH		1		4-	40		4.5	10	
Mushroom Production	1	1		15	10	25	15	10	25
Bee-keeping		1						ļ	
Integrated farming		<u> </u>						ļ	
Seed production		1	<u> </u>					ļ	
		1		i e		Ī	Ī		
Production of organic									
inputs									
inputs Integrated Farming									
inputs Integrated Farming Planting material									
inputs Integrated Farming Planting material production	4			45	40	05	A.E.	40	05
inputs Integrated Farming Planting material production Vermi-culture	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements									
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management	1			15	10	25	15	10	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops									
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of									
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards									
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition									
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality									
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying				14		25			
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying	1				11		14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental fisheries	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental fisheries Para vets Para extension workers	1			14	11	25	14	11	25
inputs Integrated Farming Planting material production Vermi-culture Sericulture Protected cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental fisheries Para vets Para extension	1			14	11	25	14	11	25

				•			•		
Freshwater prawn									
culture									
Shrimp farming									
Pearl culture									
Cold water fisheries									
Fish harvest and									
processing technology									
Fry and fingerling									
rearing									
Small scale processing									
Post Harvest	1			13	12	25	13	12	25
Technology	ļ								
Tailoring and Stitching									
Rural Crafts									
TOTAL	5			71	54	125	71	54	125
(C) Extension	-								
Personnel		<u> </u>							
Productivity	-								
enhancement in field									
crops									
Integrated Pest									
Management									
Integrated Nutrient	1			9	6	15	9	6	15
management	•								
Rejuvenation of old									
orchards									
Protected cultivation									
technology									
Formation and									
Management of SHGs									
Group Dynamics and									
farmers organization									
Information networking									
among farmers									
Capacity building for									
ICT application									
Care and maintenance									
of farm machinery and									
implements		1							
WTO and IPR issues									
Management in farm									
animals									
Livestock feed and									
fodder production		1							
Household food									
security		1							
Women and Child care									
Low cost and nutrient									
efficient diet designing		1							
Production and use of									
organic inputs		1	-						
Gender mainstreaming									
through SHGs			1			4.5			4.5
TOTAL	1	1		 9	6	15	9	6	15

C)Consolidated table (ON and OFF Campus)

Thematic area	No. of					Participants				
	courses		Others			SC/ST			Grand Total	
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management	1				10	15	25	10	15	25
Resource	2				23	27	50	23	27	50
Conservation Technologies										
Cropping Systems	1				10	15	25	10	15	25
Crop Diversification										
Integrated Farming										
Water management	1				12	13	25	12	13	25
Seed production										
Nursery management										
Integrated Crop Management										
Fodder production										

Production of cryamic involves											
Il Homeuture	Production of organic	1									
a) Vegetable Crops Froduction of to we volume and high value crow volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the volume and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the value and value addition of the		<u> </u>									
Production of low volume and high value copts	II Horticulture	I									
Production of low volume and high value copts	a) Vegetable Crops										
Volume and high value Corporation Corp											
Crops		I									
Olf-season vegetables		I									
Nursery Americal Plants 1											
Exotic vegetables like Broccol Export potential vegetables Grading and potential vegetables Grading and potential vegetables Grading and potential vegetables Grading and potential vegetables Grading and potential vegetables Grading and potential Green Houses, Shade Not etc.) D) Fruits Training and Puning Layout and Management of Cultivation of Fruit Management of young plants/orchards Regivernation of old orchards Regivernation of old orchards Morro irrigation systems of orchards Morro irrigation systems of orchards Notre irrigation Systems of orchards Notre irrigation Systems of orchards Notre irrigation Systems of orchards Notre irrigation Systems of orchards Notre irrigation Organization and Date of the State of State o		1	+		+	10	15	25	10	15	25
Brocooli			+								
Export potential vegetables Grading and standardization Frotective cullivation llivation Frotective cullivation Frotective cullivation		1				11	14	25	11	14	25
vegetables Grading and standardization Protective cultivation (Green Houses, Shade Up) Fruits Training and Pruning Layout and 1 1 13 12 25 13 12 25 Management of Orchards Cultivation of Fruit Management of Orchards Cultivation of Fruit Management of Orchards Cultivation of Fruit Management of Orchards Cultivation of Fruit Management of Orchards Plants Invited Management of Orchards Plants Invited Management of Orchards Plants Invited Management of Orchards Plants Invited Management Manageme											
Grading and standardization	Export potential	I									
Standardization Standardiz		<u> </u>									
Protective cultivation (Green Houses, Shade Net etc.)	Grading and	I									
Protective cultivation (Green Houses, Shade Net etc.)	standardization	I									
Crosen Houses, Shade											
Net etc.) Di Fruits		I									
Districts		I									
Training and Pruning					-						
Layout and Management of Orchards (Cultivation of Fruit Management of Orchards (Cultivation of Fruit Management of young plants/orchards Rejuvenation of old orchards (Support potential fruits Management of young plants/orchards Rejuvenation of old orchards (Support potential fruits Meror imgation systems of orchards (Support potential fruits (Support potential fruits (Support potential fruits (Support potential fruits (Support potential of Paris propagation (Support potential of Orchards (Su					+						
Management of Orchards Cultivation of Fruit Management of young plants/orchards Rejuvenation of lot orchards Export potential fruits Micro irrigation systems of orchards Plant propagation techniques Commental Plants Commental P			+		+	40	40	0.5	40	40	0.5
Citulardis Cit		1 1				13	12	25	13	12	25
Cultivation of Fruit Management of young plants/crothards Pagints of the Committee Production and Management Production and Manageme		I	İ		1						
Management of young		ļ	_	ļ	1						
plants/orchards		<u> </u>	<u> </u>	<u> </u>	<u> </u>						
plants/orchards	Management of young		1								
Rejuvenation of old orchards Export potential fruits Export potential fruits Export potential fruits Export potential fruits Export potential fruits Export potential fruits Export potential fruits Export potential of contents Export potential of ormanish plants Export potential ormanish plants Export pote		Ì	İ		1						
createds Export potential fruits Micro irrigation											
Export potential fruits		Ì	İ		1						
Micro irrigation Systems of orchards Plant propagation techniques G) Ormanental Plants Nursery Management Management of potted plants Export potential of ornamental plants Propagation techniques of Omamental Plants Of Propagation techniques of Operation and Management Management technology Processing and value addition e) Tuber crops Production and Management technology Processing and value addition for a company of the production and Management technology Processing and value addition for a company of the production and Management technology Processing and value addition for a company of the production and Management technology Processing and value addition for a company of the production and Management technology Processing and value addition for a company of the production and Management technology Processing and value addition g) Medicinal and Anomatic Plants Nursery management Production and management technology Processing and value addition g) Medicinal and Anomatic Plants Nursery management Production and management technology Processing and value addition g) Medicinal and Anomatic Plants Nursery management Production and management technology Processing and value addition g) Medicinal and Anomatic Plants Nursery management Froduction and management technology Processing and value addition g) Medicinal and Anomatic Plants Nursery management The company of the process of		<u> </u>	+	1	+						
systems of orchards Plant propagation techniques			+	 	+						
Plant propagation techniques (2) Ornamental Plants (3)		Ì	İ		1						
techniques	systems of orchards	 	+	1	+						
c) Omamental Plants Nursery Management Management of potted plants Export potential of ornamental plants Propagation techniques of Ormamental Plants d) Plantation crops Production and Management technology Processing and value addition e) Tuber crops Processing and value addition f) Spices Processing and value addition g) Representation g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management technology Processing and value addition g) Medicinal and Management Technology Post harvest technology and value addition g) Medicinal and Management Technology Post harvest Technology and value addition g) Medicinal and Management Technology Post harvest Technology and value addition g) Medicinal and Management Technology Post harvest Technology and value addition g) Medicinal and Technology Post harvest Technology and value addition g) Medicinal and Technology Post harvest Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology Technology and value addition g) Medicinal and Technology and value addition g) Medicinal and Technology and value addition g) Medicinal and Technology and value addition g) Medicinal and Technology and value addition g) Medicinal and Techn		I									
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Management of potted plants		<u> </u>									
Management of potted plants	Nursery Management	 									
plants											
Export potential of own memental plants Propagation techniques of Omamental Plants Omamental Plants Operation Oper		I									
pomental plants					-						
Propagation		I									
techniques of Ornamental Plants d) Plantation crops Production and Management technology Processing and value addition e) Tuber crops Production and 2 2 26 24 50 26 24 50 Management technology Processing and value addition f) Spices Production and A 2 2 26 24 50 26 24 50 Management technology Processing and value addition f) Spices Production and Management for technology Processing and value addition g) Medicinal and Aromatic Plants Nursery management Production and Management Itechnology Processing and value addition g) Medicinal and Aromatic Plants Nursery management Itechnology Production and Management Itechnology Iterative to the production and Management Itechnology Iterative to the production and Management Itechnology Iterative to the production and Management Itechnology and value addition III Soil Health and Iterative to the production and Management Iterative to the production and Management Iterative to the production and Mater and Table 1 12 13 25 12 13 25 12 13 25 25 20 12 13 25 25 20 12 13 25 25 20 20 25 20 25 20 25 25 20 25 25 25 25 25 25 25 25 25 25 25 25 25			+		-						
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Conservation Cons		I									
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Processing and value addition	Management	I									
Processing and value addition	technology	I									
addition e) Tuber crops											
e) Tuber crops Production and 2 Ranagement technology Processing and value addition f) Spices Production and Management technology Processing and value addition g) Medicinal and Aromatic Plants Nursery management technology Post harvest 1 technology Post harvest 1 technology and value addition III Soil Health and Fertility Management Soil and Water 1 1 12 13 25 12 13 25 Conservation Integrated Nutrient Management Integrated Nutrient Management Integrated Nutrient Management Integrated Nutrient Management Integrated Nutrient Management Mana		I									
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technology Image: Conservation and Walue addition tion and addition						20	24	30	20	24	30
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addition f) Spices			+	 	 						
Spices]	1						l		
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technology Processing and value addition 4	Management	Ì	İ		1						
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technology 12 13 25 12 13 25 Post harvest technology and value addition 1 12 13 25 12 13 25 III Soil Health and Fertility Management 1 11 14 25 11 14 25 Soil fertility management 50il and Water 1 12 13 25 12 13 25 Conservation 1 12 13 25 12 13 25 Integrated Nutrient Management Management 1		Ì	İ		1						
Post harvest 1		I	İ		1						
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addition 1 11 14 25 11 14 25 Fertility Management Soil fertility management 2 2 12 13 25 12 13 25 Soil and Water Conservation 1 12 13 25 12 13 25 Integrated Nutrient Management Management 1		1	İ		1	12	13	25	12	13	25
III Soil Health and 1 1 14 25 Fertility Management Soil fertility management 1 12 13 25 12 13 25 Conservation Integrated Nutrient Management		Ì	İ		1						
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management 1 12 13 25 12 13 25 Conservation Integrated Nutrient Management Manage	Soil fertility										
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Conservation Integrated Nutrient Management	Soil and Water	1	†	†	1	12	13	25	12	13	25
Integrated Nutrient Management			1			12	15		14	10	20
Management			+	 							
Production and use of		Ì	İ		1						
Production and use of	ivianagement	<u> </u>	1	1							
	Production and use of		<u> </u>	L	1		<u> </u>				

	1	1		1					
organic inputs	ļ	1							
Management of									
Problematic soils Micro nutrient									
deficiency in crops Nutrient Use Efficiency									
Soil and Water Testing		+							
IV Livestock		+							
Production and									
Management									
Dairy Management		+							
Poultry Management		+							
Piggery Management	1			14	16	25	14	16	25
Rabbit Management	'			17	10	23	17	10	20
Disease Management	1			12	13	25	12	13	25
Feed management	1			11	14	25	11	14	25
Production of quality							• • • • • • • • • • • • • • • • • • • •		
animal products									
V Home									
Science/Women									
empowerment									
Household food									
security by kitchen	1								
gardening and nutrition	1								
gardening	<u> </u>								
Design and									
development of	1								
low/minimum cost diet									
Designing and									
development for high	1								
nutrient efficiency diet									
Minimization of									
nutrient loss in									
processing									
Gender mainstreaming									
through SHGs		1							
Storage loss	1								
minimization	1								
techniques	 	1							
Value addition		1							
Income generation activities for									
empowerment of rural									
Women									
Location specific		1							
drudgery reduction									
technologies									
Rural Crafts									
Women and child care									
VI Agril. Engineering									
Installation and									
maintenance of micro	1								
irrigation systems	1								
Use of Plastics in									
farming practices	1								
Production of small									
tools and implements	<u> </u>	<u> </u>	<u> </u>						
Repair and									
maintenance of farm	1								
machinery and	1								
implements	 	1							
Small scale processing	1								
and value addition		1							
Post Harvest	1								
Technology	 	1							
VII Plant Protection	 	1		40	40		40	40	
Integrated Pest	1			12	13	25	12	13	25
Management	 	1							
Integrated Disease	1								
Management	 	1	 	22	07	ΕΛ	22	07	ΕO
Bio-control of pests	2			23	27	50	23	27	50
and diseases	 		-						
Production of bio	1								
control agents and bio	1								
pesticides VIII Fisheries	 	1							
	 	1							
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and culture of infestivated prowing becoming and culture of infestivated prowing and culture of infest		1				14	13	21	14	13	21
freshwate prawm Reseding and culture of ornamental fishes Portable plastic carp Portabl											
Breeding and culture of ornamental fishes Portable plastic carp hashariany ha											
Commencial fishes											
Portable plastic corp hatchtary Pan culture of fish and growth production production production of the											
hetchery Pen outure of fish and prawn Strimp faming Pent fulture of fish and prawn Strimp faming Pent fulture Fish processing and value addition IX Production of linguist at site Seed Production Painting material Bio-sperits production Bio-sperits production Bio-sperits production Bio-sperits production Bio-sperits production Bio-sperits production Production of the variety of t	Portable plastic carp										
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Fish processing and vavie addition IX Production of Inputs at site Seed Production Planning material production Be-agents production Production of Its feed Production of Its feed Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production of Inputs Production Produ											
value addition KP roduction of Inputs at site											
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Vermi-compost 1											
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production Organic manures production Production of five and fingerlings Production of Bee- colonies and wax sheets Small tools and implements Production of livestock feed and fodder Production of Fish feed and fodder Production of Fish feed and fodge Dynamics Leadership development Group dynamics Formation and Management of SHGs Mobilization of social capital development of social capital development of social capital ferrieryerneurial development of social capital ferrieryerneurial development of social capital ferrieryerneurial development of social capital ferrieryerneurial development of social capital ferrieryerneurial development of social capital ferrieryerneurial development of social capital ferrieryerneurial fewerieryeryeryeryeryeryeryeryeryeryeryeryerye		1				10	15	25	10	15	25
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Production of fry and fingerings											
Image: Colonies and wax Sheets Small tools and implements Small to	production				1						
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Small tools and wax sheets				+	1						
sheets Small tools and implements Froduction of livestock feed and fodder											
Small tools and implements Production of livestock feed and fodder Froduction of Fish feed Froduction of Fish feed X Capacity Building and Group Dynamics Leadership development Leadership development Formation and Management of SHGs Mobilization of social capital earners/youths Formation and Management of Interpreted and Interpreted from the I											
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feed and fodder	Production of livestee!			+	+						
Production of Fish feed (e)											
feed				+	+						
X Capacity Building and Group Dynamics Leadership development Group dynamics Formation and Management of SHGs Mobilization of social capital Entrepreneurial development of famers/youths WTO and IPR issues XI Agro-forestry Production technologies Nursery management Integrated Farming Systems TOTAL 21 246 281 527 246 281 527 WIRNAL YOUTH Mushroom Production 2 28 22 50 28 22 50 Bee-keeping Integrated farming Seed production Production of organic inputs Integrated Farming Integrated Farming Integrated Farming Seed production Production of organic inputs Integrated Farming Integrat											
and Group Dynamics			+	+	+						
Leadership development Group dynamics	and Group Dynamics										
Group dynamics Formation and Management of SHGs Mobilization of social capital Entrepreneurial development of farmers/youths WTO and IPR issues XI Agro-forestry Integrated Farming Systems TOTAL 21 246 281 527 246 281 247 2				+	1						
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Dailying 1										
Sheep and goat receiving		1			14	11	25	14	11	25
rearing		•								
Qual faming 1 14 11 25 14 11 25 Rabbit faming 1 14 11 25 14 11 25 Poutry production										
Piggery										
Rabbit farming		1			14	11	25	14	11	25
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TOTAL										
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Production and use of organic inputs Gender mainstreaming through SHGs	efficient diet designing				<u> </u>		<u> </u>	<u> </u>		<u> </u>
Gender mainstreaming through SHGs	Production and use of				-		-			-
through SHGs										
through SHGs 46 39 85 46 39 85										
TOTAL 5 46 39 85 46 39 85	through SHGs	-			40	22	25	40		0.5
	IUIAL	5]		46	39	85	46	39	85

Note: Please furnish the details of above training programmes as **Annexure** in the proforma given below

	Date	Cliente le	Title of the training programm	Disciplin e	Themati c area	Duration in days	Venue (Off / On	othe	ber of r cipant	s	Num SC/S	ber of T			numb cipang	
			е				Campu s)	Ma le	Fe ma le	Tot al	Ma le	Fe ma le	Tot al	Ma le	Fe mal e	Tot al
Ī											,					

D) Vocational training programmes for Rural Youth

					No. of Participants			Self emp	loyed aft	er training	Number of
Crop / Enterprise	Date	Training title*	Identified Thrust Area	Durati on (days)	Mal e	Fem ale	Tot al	Type of units	Num ber of units	Number of persons employed	persons employed else where
Vermicompost	l t∩	Vermicompost as enterprise	Income generation	5	10	15	25	Compost tank	12	12	-

(E) Sponsored Training Programmes

SI.	Date	Title	Disc	Thema	Durati	Client	No.				N	o. of F	Participa	nts			Sponso	Amount
N o			iplin e	tic area	on (days)	(PF/RY /EF)	of cou rse	O	ther	S		SC/S	ST .		Tota	I	ring Agency	of fund received (Rs.)
							s	М	F	Т	М	F	Tot	М	F	Tot		
1	08/1 2/10	Process ing of fruits	Hor.	Fruit preser vation	2	RY	2	-	-	-	13	19	32	13	19	32	ATMA	20,000
2	11/0 5/10	Compo site fish farming	Fish ery	Fish farmin g	1	PF	1	-	-	-	14	13	27	14	13	27	ATMA	10,000
3	15/0 2/11	Manage ment of Eri worm	Seri	Silkwor m produc tion	2	RY	2	-	-	-	12	17	29	12	17	29	ATMA	15,000
4	11/0 3/11	IPM on paddy	Ent	Pest manag ement	1	EF	1	-	-	-	11	9	20	11	9	20	Host Inst.	30,000
5	19/0 3/10	Paddy- cum- fish culture	Agr	Integra ted farmin g system	2	PF	1				18	8	26	18	8	26	DAO	15,000
6	16/0 2/10	Cultivati on of tapioca	Agri.	Tuber crop produc tion	2	PF	1				26	24	50	26	24	50	ATMA	12,000
Tot	tal				10		8	-	-	-	94	90	184	94	90	184		

3.4. Extension Activities (including activities of FLD programmes)

1.	Nature of Extension Activity Field Day Kisan Ghosthi Exhibition Film Show Farmers	Purpose/ topic and Date 27/11/10, 12/03/11, 06/12/10, 30/11/10, 28/02/11, 24/02/11, 16/12/10, 05/01/11, 16/11/10	No. of activities	Farme Male	Female			T (Farmo	ers)(II)		Extension fficials(I Femal e		Male	Frand To (I+II+III) Femal e	
1.	Field Day Kisan Ghosthi Exhibition Film Show	27/11/10, 12/03/11, 06/12/10, 30/11/10, 28/02/11, 24/02/11, 16/12/10, 05/01/11,	of activiti es	Male	Female	Total				0	fficials(I	II)		(I+II+III) Femal)
1.	Field Day Kisan Ghosthi Exhibition Film Show	12/03/11, 06/12/10, 30/11/10, 28/02/11, 24/02/11, 16/12/10, 05/01/11,	es				Male	Female	Total	Male		Total	Male		Total
2. 4 3. 6 4. 6 5. 6 7. 7 8. L	Kisan Ghosthi Exhibition Film Show	12/03/11, 06/12/10, 30/11/10, 28/02/11, 24/02/11, 16/12/10, 05/01/11,	9	-	1										
3. E 4. F 5. F 5. F 5. F 6. V 7. C 7 8. L C 7 F 9. C 10. F 11. F 1	Exhibition Film Show						120	184	304	12	4	16	132	188	320
4. F 5. F 6. V 7. C 8. L 9. C	Film Show		1				15	25	40				15	25	40
5. F S S S S S S S S S			2												
6. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Farmers		4												
7. (r 8. L 6. (r 9. N 10. F	Seminar		1				8	11	19				8	11	19
9. N	Workshop														
8. L C C F F F F F F F F F F F F F F F F F	Group meetings		6				82	103	185				82	103	185
10. F	Lectures delivered as resource persons		15												
10. F	Newspaper coverage		2												
	Radio talks		8												
	Advisory Services		6				17	11	28				17	11	28
	Scientific visit to farmers field		12				28	44	72				28	44	72
	Farmers visit to KVK		25				158	212	370				158	212	370
	Diagnostic visits		5				9	6	15				9	6	15
15. <i>A</i>	Animal Health Camp		2				88	90	178				88	90	178
16. S			11				85	47	132				85	47	132
	Self Help Group Conveners meetings		109				610	733	1343	12	4	16	622	737	1359

3.5 Production and supply of Technological products

SEED MATERIALS

SEED WATERIALS					
Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	Paddy	SARS-1 & 2	6	6000	24
OILSEEDS					
	Toria	TS-38	1	4500	35
PULSES					
	Pea	Arkel	1.5	3000	10
VEGETABLES					
	Tomato	Megha-1 & 10	0.01	16000	25
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	6	6000	24
2	OILSEEDS	1	4500	35
3	PULSES	1.5	3000	10
4	VEGETABLES	0.01	16000	25
5	FLOWER CROPS			
6	OTHERS			
	TOTAL	8.51	29500	94

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
SPICES					
VEGETABLES	Banana	Grand naine	1500	7500	25
FOREST SPECIES					
	Alder	Local	500	2500	10
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

SUMMARY

SI. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES	1500	7500	25
3	SPICES			
4	FOREST SPECIES	500	2500	10
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL	2000	10000	35

BIO PRODUCTS:

Major group/class	Product Name	Species	Qua	antity	Value (Rs.)	Provided to No.
			No	(kg)		of Farmers
BIOAGENTS						
BIOFERTILIZERS						
BIO PESTICIDES						
Other	Vermicompost	Easinia foedita		500	5000	20

SUMMARY

CL Na	Due door Nome	Cuasias	Qua	Quantity Value (Rs.)		Provided to
SI. No.	Product Name	Species	Nos	(kg)	value (RS.)	No. of Farmers
1	BIOAGENTS	Easinia foedita		500	5000	20
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK ·

SI. No.	Туре	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers	
		_	(Nos	Kgs			
Cattle							
SHEEP AND GOAT							
POULTRY	30 days old Chicks	Vanaraja	400		22000	20	
FISHERIES							
Others (Specify)							

Summary

SI. No.	Туре	Breed	Qua	Quantity		Provided to No. of Farmers	
01. 140.	Турс	Breed	Nos	Kgs	Value (Rs.)	r rovided to No. or r armers	
1	CATTLE						
2	SHEEP & GOAT						
3	POULTRY	Vanaraja	4000		22,000	20	
4	FISHERIES						
5	OTHERS						
	TOTAL						

3.6. Literature Developed/Published (with full title, author & reference)

- (A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)
- (B) Literature developed/published

Item	Title	Authors name	Number of copies
Technical reports			
News letter	KVK Mokokchung, News letter	KVK Mokokchung	500
Popular articles			
Leaflets/folders	 Package & practices of Broccoli Importance of book keeping and their usage for SHG Package & practices of Groundnut IPM on Citrus Package of common management practices recommended for Goat rearing Banana orchard management 	KVK Mokokchung	1200
Total	6		
Grand total	7		1700

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(C) Details of Electronic Media Produced :NA

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

- 3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year : NA
- 3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs):NA

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

3.10 Indicate the specific training need analysis tools/methodology followed for

3.11 Field activities

i. Number of villages adopted
ii. No. of farm families selected
iii. No. of survey/PRA conducted
:3

3.12. Activities of Soil and Water Testing Laboratory :NA

Status of establishment of Lab :

1. Year of establishment :

2. List of equipments purchased with amount :

SI. No	Name of the Equipment	Qty.	Cost
1			
Total			

Details of samples analyzed so far

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

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of	% of	Change in income (Rs.)
	participants	adoption	Before (Rs./Unit)	After (Rs./Unit)
Cultivation of Broccoli (Pushpa)	5	60	-	60,050/ ha
Cultivation of tomato (Megha -1)	6	45	-	2,85,000/ha
Cultivation of pea (Arkel)	4	65	12,500/ha	27,140/ha
Cultivation of Toria (TS-38)	6	45	-	10,304/ha

4.2. Cases of large scale adoption: NA (Please furnish detailed information for each case)

4.3 Details of impact analysis of KVK activities carried out during the reporting period

IMPACT STUDY REPORT

Inspite of concerted effort to make the farmers adopt new and improved technologies the farmers mindset is still cling to the existing traditional system of farming. For the farmers of the Mokokchung district diversity in the farming system is fundamental, this is manifested by the fact that jhum still dominates the farming system. In a typical jhum field many different crops are found – cereals, pulses, tuber crops and a wide variety of vegetables. These crops present the diversity in the existing farming system. Diversity remains to be unsystematic and the overall income from agriculture remains low. Thus with a view to streamline the diverse farming activities and to enhance the income of the farmers for ensuring livelihood security KVK Mokokchung undertook different mandated programmes in the operational villages.

Some of the major interventions were System of Rice Intensification (SRI) in the WRC/TRC fields. This is a new rice production system which provides efficient use of water and gives much higher yield than the traditional system. It is anticipated that this system will ensure food security and withstand effects of climate change on agriculture. FLD on SRI was conducted very successfully and many farmers are adopting this system and more areas are being brought under this system of cultivation.

Tomato is already a popular crop among the farmers but the local varieties are low yielding. Introduction and demonstration of Megha-1 Variety which is well known for its better fruit size, production and less susceptibility to fruit borer has already become popular among the farmers.

Vegetable cultivation in the district occupies a significant position but there is still deficit in production. Broccoli a high value nutritionally superior vegetable has been widely been accepted by the farmers. This crop which is new to the district of Mokokchung district is doing well and is fetching good economic returns to the farmers. It has been well accepted even by urban dwellers and has started growing in every available space.

Oil seed production in the district is very minimal due to a variety of reasons- such as food habits, lack of processing facilities, lack of irrigation facilities and dependence on rainfed agriculture. In addition non availability of vacant fields during sowing seasons due to standing crops has been a hurdle. A cultivation practice has hampered the cultivation of other oilseeds which are sown in the month of Oct. during which crops are still on the field for harvesting. However with the introduction of Toria (TS-38) which is a late sown and more moisture stress tolerant, the farmers has gradually taking interest in cultivation of toria.

Demonstration on cultivation of pea and ricebean is getting more popular due to the advantages and the additional income that is generated.

Among the livestock, Swine production is the most popular enterprise. One of the significant problems encountered in swine production is the losses incurred by sow breeder due to piglet anemia. Losses due to mortality and poor growth of the piglets have been a major problem. Demonstration of supplementing piglets with iron injections has shown that piglet anemia can be prevented thus ensuring better economic returns. Farmers are now aware of piglet anemia and its preventive measures that can be initiated.

Constrains and Future Strategies

Some of the constrains observed and encountered are- lack of availability of farm implements like weeders (in case of SRI), sometimes seeds are not available at the right time and in other cases the farmers are reluctant and apprehensive for adopting the new technologies. Constant, regular updating of knowledge of the technical staffs will be essential for further advise and support the farmers. At the same time developing linkages with input/seeds suppliers and ensuring their availability will play a critical role for the farmers to adopt and continue practicing new and improved technologies.

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
State Agricultural Research Station (SARS) Yisemyong, AICRIP	Joint implementation in conducting training, demonstration, meeting, trials etc.
DAO, DHO, DVO, DSCO, DFO,LRD in the district	Conducting training, demonstration programmes
ICAR, Jharnapani, Nagaland University	Consultation, meeting and exchange of technologies
AIR Doordashan Mokokchung	Technology dissemination through broadcasting (AIR)
NABARD, NSCB, SBI	Joint implementation in forming farmers ' clubs

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies: NA

Yes

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district :

S. No.	Programme	Nature of linkage	Remarks
1	Training, trial & Demonstration, Exhibition	Resource person and programme Planning, implementation and monitoring	Actively participating in programme implementation

5.4 Give details of programmes implemented under National Horticultural Mission: NA

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board : NA

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm):

SI.		Year of		De	Details of production		Amount	(Rs.)	
No.	Demo Unit	estt.	Area	Variety	Produce	Qty.	Cost of	Gross	Remarks
				variety	Floudce	Qty.	inputs	income	
1	Vermicompost	2008	20sqm	Esenia	Compost	760kg/yr	1200	-	=
				foeteda					
2	Banana fiber	2010	500sqm	-	Fiber	On	-	-	-
	extraction					aoina			

6.2 Performance of instructional farm (Crops) including seed production

Name	Date of sowing	Date of	Area (ha)	Details of production		Amour	Amount (Rs.)		
Of the crop		harvest	Ar (h	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals a) Upland paddy	25.03.11	8.09.11	0.15	SARS-1& 2	Grain	3.4	2000	4080	Good yield
b) Maize	28.03.11	17- 20.08.11	0.05	HQPM-1	Green cobs	-	1200	900	Green cobs are not prefer much by the farmers
Pulses a) Pea b) Soybean	18/10/11 22/06/11	20 jan- 10 feb 2012 20/12/11	0.1	Arkel Indira soya9	Pod Pod	0.72 0.32	850 650	1080 1120	-
Oilseeds		20/12/11							
Toria	11/10/11	17/01/12	0.02	TS-36 & 38	Seed	0.42	900	1650	-
Spices & Plantatio	n crops	•	•				· ·	•	•
Turmeric	28/05/10	6- 8.02.12	0.0585	Megha -1	Rhizome	7	1500	7000	Good yield
Ginger	04.04.11	15.01.12	0.003	Local red ginger	Rhizome	3.5	1500	3500	Good yield
Vegetables									
Cabbage	21.09.11	12.01.12	0.005	Snow ball	Head	0.35	650	525	
Tomato	28/10/11	-	0.04	Megha- 1&10	Fruit	On going	650	-	Yield is satisfactory
Broccoli	21.10.11	-	0.02	KTS-1	Seed	Ongoing	750	-	-

Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

SI.	Name of the	_	Amount (Rs.)		
No.	Product	Qty	Cost of inputs	Gross income	Remarks
1	Vermi compost	840kg/tr	4400	8400	-

6.4 Performance of instructional farm (livestock and fisheries production): NA

SI.	Name of the	Details of production			Amou		
No	animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks

	6.5 Rainwater Harvesting: Training programmes conducted by using Rainwater Harvesting DemonstrationUnit:								
Date	Title of the training course	Client	No. of Courses		Participants SC/ST			o. of SC/STPa	<u> </u>
	Course	(PF/RY/EF)	000,000	Male	Female	Total	Male	Female	Total
23/03/1 0	Low cost rain water harvesting structure	PF	2	32	18	50	32	18	50

6.5 Utilization of hostel facilities: NA

Accommodation available (No. of beds):

Months	Title of the training course/Purpose of stay	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)

FINANCIAL PERFORMANCE

7.1 **Details of KVK Bank accounts**

Bank account	Name of the bank	Location	Account Number
With Host Institute	SBI	Lerie , Kohima	01000050059
With KVK	SBI	Mokokchung	01000050913

7.2 Utilization of funds under FLD on Oilseed (Rs. In Lakhs):NA

7.2 Othization of fair						
	Release	ed by ICAR	Expenditure			
Item	Kharif	Rabi	Kharif	Rabi	Unspent balance as on 1 st April 2009	
	2008	2009 -10	2008	2009-10		

7.3 Utilization of funds under FLD on Pulses (Rs. In Lakhs):NA

	Released	Released by ICAR		Expenditure		
ltem	Kharif 2008	Rabi 2008 -09	Kharif 2008	Rabi 2008-09	Unspent balance as on 1 st April 2009	

7.4 Utilization of funds under FLD on Cotton (Rs. In Lakhs): NA

	Released by ICAR	Expenditure	Unspent balance
Item	Kharif	Kharif	as on 1 st April
	2007	2007	2008
Inputs			
Extension activities			
TA/DA/POL etc.			
TOTAL			

7.5 Utilization of KVK funds during the year 2010 -11

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Re	curring Contingencies			
1	Pay & Allowances	50	55	55
2	Traveling allowances	2.0	2.0	2
3	Contingencies	8	8	8

Α	Stationery, telephone, postage and other expenditure on office running,			
	publication of Newsletter and library maintenance (Purchase of News Paper &			
	Magazines)	1.6	1.6	1.6
В	POL, repair of vehicles, tractor and equipments			
С	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	6.4	6.4	6.4
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30			
_	demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
Н	Maintenance of buildings			
1	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
	TOTAL (A)	60.00	65.00	65.00
B. No	n-Recurring Contingencies		'	•
1	Works	76.51		
	a) Staff quarter (new)	49.37	15	15
	b) Boundary fencing (new)	17.26	12	12
	c) Rain water harvesting structure	9.88	5	5
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)	0.10	0.10	0.10
5	Soil and water testing lab	14.00	Nil	Nil
	TOTAL (B)	90.61	32.1	32.1
C. RE	VOLVING FUND			
	GRAND TOTAL (A+B+C)			
		150.61	97.1	97.1

7.5 Status of revolving fund (Rs. in lakhs) for the three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
31/7/2009	100000	15000	20000	95000
2010	95000	45000	15000	1,25,000
2011	1,25,000	35000	15000	1,45,000

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints

(a) Administrative: Construction of Farmers hostel, Demonstration unit (2), Development of instructional farm

(b) Financial: Shortage of fund ie. Meals/farmer@ Rs. 75 per trainee is too less.

(c) Technical: Lack of farm machineries like power tiller, pumping set, e-connectivity etc.

Annexures

District Profile - I

Include the details of

General census

Basic information about Mokokchung district:

1. Population Census (2001)

a) Total Population 2,27,230 b) Rural Population c) Cultivators 1,96,026 1,33,020 d) % of farming population 58.54% 2. Total geographical area3. Average Jhum Cycle 1,615 Sq km. 10.5 yrs 4 Food grain Production 36731 MT 5. Commercial Crops Production 52726 MT 6. Oilseed production 1013 MT

Agricultural and allied census

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

1	Jhum paddy	11390	246400	21.63
2	TRC paddy	4960	153000	30.84
3	Maize	1028	16345.2	15.9
4	Tapioca	1050	308910	294.2
5	Mustard	795	5000	06.3
6	Tomato	28	7600	271.4
7	Potato	125	9375	75
8	Colocassia	1500	180000	120
9	Passion fruit	908	63560	70
10	Orange	460	20700	45
11	Banana	270	3888	144.4
12	Pineapple	340	238000	700
13	Pear	16	3500	218.7
14	Tea	520	3120	6 (made tea)
15	Arecanut	44	600	15

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

Category	Population	Production	Productivity
Cattle			
Crossbred	2125	29.87 tons milk	6 litrs/day
Indigenous	1437	-	-
Buffalo	250	-	-
Goats	3278	14.75 tons	9 kg/year
Pigs			
Crossbred	81,345	2870 tons	110 kg/year
Hens	1,01,287	3000	20 eggs/year
Desi	20,12,325	1042 tons	1.1 kg/8 months
Ducks	491	290 kg	1 kg/6 months
Turkey and others			-

Category	Area	Production	Productivity
Inland	5,00,000	10 tons	1 kg/year
Prawn			

Agro-climatic zones

No	Agro-climatic Zone	Characteristics	
1	Mid Tropical hill Zone	1.	Hot and humid in the foot hills to moderate in the mid and high with
			heavy rainfall during summer
		2.	Moderate to extreme cold and dry during winter

Agro-ecosystems

Description of major agro ecological situations (based on altitude)

No	Agro ecological situation	Characteristics
1	AES – 1 (Below 500 msl)	Hot & Humid with sub tropical climate
2	AES – II (500-1000 msl)	Moderate, sub-montane hill zone
3	AES – III (1000-1500 MSL)	Moderate to extreme cold and dry during winter
4	AES – IV (Above 1500 msl)	Moderate to extreme cold and dry during winter

Major and micro-farming systems

Major farming systems existing in the district* (based on the study made by the KVK)

No	Farming systems identified
1	Agriculture +Horticulture
2	Agriculture + Veterinary
3	Agriculture + Fishery
4	Agriculture + Horticulture + Veterinary + Fishery

Major production systems like rice based (rice-rice, rice-green gram, etc.), cotton based, etc.

- Jhum paddy based mixed cropping system like jhum paddy-colocassia-beans-maize Low land paddy based followed by oilseed and vegetable

Major agriculture and allied enterprises

- Agriculture + Horticulture
- Agriculture + Animal Husbandry
- Agriculture + Horticulture + Fishery

Agro-ecosystem Analysis of the focus/target area - II

Names of villages, focus area, target area etc.

S.No	Target area	Agro- ecosystem	Survey method
1	Kobulong	AES – III	PRA, transect walk, matrix ranking, bio resource
2	Longkhum	AES-IV	flow model
3	Merangkong	AES-II	
4	Longpayimsen	AES-I	
5	Aliba	AES-III	

Survey methods used (survey by questionnaire, PRA, RRA, etc.)

✓ PRA

Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc.

✓ Participatory method of resource mapping on the ground using leaves, stones, twigs and other materials. Major enterprises were displayed on a chart and the participants were asked to rank the enterprises as per their preference

Analysis and conclusions

Along with the participants the results were complied in a fresh chart paper and the major enterprises were displayed in accordance to their ranking. With the compiled results, discussion and interaction among the participants was conducted and a list of priority wise was jot out.

List of location specific problems and brief description of frequency and extent/ intensity/severity of each problem

Problem	Frequency and extend	Intensity	severity
Deforestation	Deforestation Cutting down of forest area for Jhum every A		High – Jhum cycle
	year covering a large area	due to deforestation	isdecreasing year by year
Marketing	Lack of organised market system	Throughout the year	High
Indigenous germplasm	Indigenous germplasm is disappearing	75% in crops, 40% in	High
	rapidly	livestock	
Livestock feeds	During dry season	Covered all livestock	High
Post harvest	Seasonal, whole district	All crops especially	High
		perishable items	
Processing	Seasonal, whole district	Horticulture crops	High

Matrix ranking of problems

- 1. Deforestation
- 2. Marketing
- 3. Post harvest and processing
- 4. Indigenous germplasm
- Livestock feed

List of location specific thrust areas

- Appropriate monitoring, evaluation and information systems to facilitate proper planning and effective implementation in Agri & allied sectors.
- Co-ordination & synchronizing in various activities of small farmers with those of the large and medium farmers so as to improve the prospects of growth for the small farmers.
- · Shaping agriculture and allied sectors to commercial enterprise through individual ownership and joint cultivation.
- Implementation of IPM. INM and identification of botanical and other bio control measures for insect pest management.
- Popularization of low cost and high efficiency farm machinery tools and implements.
- Production of certified seeds/ quality planting materials and popularizing newer HYV.
- Collaboration with multi-disciplinary departments/institutions/organizations/ agencies such as ICAR, SAU and CAV, NABARD, ZSI, BSI, NRC on Mithun, NEPED, State Deptts, ATMA, knowledge partnership for NEH Region etc.
- Promotion of suitable crop rotations and integrated plant nutrient management for better soil productivity.
- Strengthening the marketing channels and credit linkage.
- Identification, characterization, documentation and conservation of indigenous local cultivars in agriculture and allied sectors.
- Strengthening and streamlining the data recording system for better traceability, assistance in efficient implementation of breeding policies and avoid flock of mixed unknown genome with poor productivity.
- Infrastructure development.
- HRD programmes for capacity building.
- Promotion of horticulture and floriculture as well as of medicinal and aromatic plants and herbs, including organic farming and
 post harvest technology and value addition of different produces.
- Promotion of all forms of animal husbandry, fisheries, dairying and bird life accompanied by promotion of fodder cultivation and sustained availability of animal feed and identification analysis of indigenous fodder crop.
- Documentation, validation and promotion of ITKs in livestock and poultry production system.
- Developing modules to strengthen service delivery in Agri and Allied sectors.
- Promoting knowledge and skill transfer and application of ICT.

List of location specific technology needs for OFT and FLD

Crop/enterprise	Technology	OFT	FLD
Toria	TS -36	INM on toria	-

	TS- 38		Late sowing with 25% higher seed rate
Broccoli	Pushpa	-	Promotion of high value crop
Tomato	Megha-1 &10	-	Popularization of high yielding varieties
King Chilli	Naga chilli	Mixed cropping with Jhum paddy	-
Rice	SARS-2	-	Application of lime
Piggery	Hampshire	Upgrade local pigs with Hampshire	-
		inheritance	

Matrix ranking of technologies

- 1. SARS-2
- 2. Megha -1&10
- 3. Hampshire
- 4. TS-36 &38
- 5. Pushpa
- 6. Naga chilli

List of location specific training needs

- Planning for early vegetables to get higher returns, resource conservation technologies, nutrition garden, soil fertility management, scope for farm mechanization and management of livestock's
- Proper management of spices and tuber crops, integrated plant nutrient management, Introduction of high yielding breeds of pig, poultry etc. and their management.
- 3. Processing of fruits and vegetables, propagation of fruits and vegetables and lay out and management of orchards
- 4. Production of low volume high value crops
- 5. Soil conservation, soil fertility management and introduction of improved farm tools and implements
- 6. Training and pruning of fruit plants, organic cultivation of fruits and vegetables, Bio control of pests and diseases, IPM, location specific drudgery reduction technologies, soil water testing and vaccination and health care for animals
- 7. Rejuvenation of declining orchards, management of medicinal and aromatic plants, soil nutrient management, vaccination and health care for animals, mother and child care
- 8. Short duration HYV paddy, SRI method, Vermi-compost and vermin-wash making technique, Production of hybrid maize, QPM and baby corn, Water management, Improved jhuming and fallow management, Seed production in oilseed
- 9. Production of off-season vegetables, Production of cole crops, INM in vegetable crops, Training and pruning of fruit trees, Layout and management of orchard, Nursery raising and management, INM in fruit crops
- Swine fever Prevention, Treatment and control, Promotion of pig breeding farm, balance feeding for economic livestock production
- 11. İPM on paddy and maize, Rodent control/ management, Pesticide formulation and safe handling, Care and up-keepment of PP equipment, Care and management of apiary
- 12. Production of quality seeds and planting materials, Selection and hybridization, Bio-diversity conservation of endangered species
- 13. Gender sensitization, Development of women entrepreneurs in agri and allied sectors, Use of PRA tools, mobilization of social capital in villages, Formation and management of SHGs/ CIGs

Focus areas of KVK

- Replacing the long duration Kharif TRC Paddy Varieties with short duration HYV
- · Promotion of SRI
- Collection, selection and screening of the local variety of crops
- · Creation and recognition of role models amongst farming community
- Post harvest processing and value addition in important agri-horti commodities.
- Conducting OFT and FLD with their critical evaluation for feed back or feed forward
- Development and publication of need based literatures, newsletters, leaflets, pamphlets, manual etc.
- · Optimization of crop nutrient requirement through organic and IFS.
- Identification and use of microbes for fast decomposition of organic/crop residues and promotion of organic fertility.
- Rain water harvesting, in-situ conservation of water and their judicious use through micro irrigation.
- Promoting feed and fodder resources including locally available fodder for livestock, upgradation of local breeds, management and health care.
- Formation of SHG and promotion of storage, processing and value addition.
- Socio-economic viability approaches.
- Problem identification of the area with community participation approach (PRA) etc.
- Conduction, seminar, trainings, exhibition, conference and workshop etc.
- Development of farmers database.
- HRD, Monitoring evaluation, impact analysis and follow up reporting.
- Documentation on lesser known wild edibles of the district.
- Development of Integrated Farming System Model in the district

Technology Inventory and Activity Chart - III

- Names of research institutes, research stations, regional centres of NARS (SAU and ICAR) and other public and private bodies having relevance to location specific technology needs
 - ICAR, SARS, AAU, NU, SASRD
- 2. Inventory of latest technology available

SI. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/cit ation
1.	TS -36 & 38	Toria	2006	RARS, Shillongani, NRC on Rapeseed – Mustard, Bharatpur	NA
2.	Megha-1&10	Tomato	2005	ICAR, Barapani	NA
3	Vanaraja	Poultry	2005	PDP	NA
4	HQPM-1	Maize	2005	CCSHAU, Karnal	NA

3. Activity Chart

Crop/Animal/Ent erprise	Problem	Cause	Solution	Activity	Reference of Technology
Toria	Low production under rainfed condition	Use of old aged local cultivars Non adoption of water conservation	1.Introduction of HYV and moisture stress Tolerant varieties 2.Practice of mulching using paddy straw	1.Single component FLD to demonstrate effect of paddy straw as mulch material 2.OFT on HYV	NA
Tomato	Low production	1. use of local varieties 2.non adoption of recommended practices 3. non availability of improved seeds	Introduction of high yielding varieties, adoption of recommended practices	training and FLD programme on recommended practices OFT on HYV	NA
Pea	Low production	use of local varieties 2.non adoption of recommended practices 3. non availability of improved seeds	Introduction of high yielding varieties, adoption of recommended practices	Training and FLD programme on recommended practices Introduction of HYV	NA
Piggery	Piglet anaemia	Iron deficiency	Iron supplementation	Training, Demonstration	NA

Details of each of the technology under Assessment, Refinement and demonstration Include

a. Detailed account on varietal/breed characters for each of the variety/breed selected for FLD and OFT

SI. No	OFT	FLD
1	Maize	Paddy
2	Toria	Tomato
3	Paddy	Broccoli
4	Tomato	Soybean
5	Passion fruit	French bean
6	Poultry	Rice bean
7	Okra	Pea
8	-	Toria
9	-	Groundnut
10	-	Piggery

- b. Details of technologies that may include formulation, quantity, time, methods of application of nutrients, pesticides, fungicides etc., for technologies selected under FLD and OFTs
- c. Details of location/area specificity of recommended technology viz., for each of the variety/breed/technology selected for FLD and OFT
 - 1. Toria (TS -38) (FLD)
 - 2. Vanaraja (OFT)