REVISED PROFORMA FOR PROGRESS REPORT
2010-2011

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Rice Research Station Wangbal, Thoubal-795138	Office	FAX	kvkthoubal @gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Department of Agriculture, Government of Manipur, Sanjenthong Imphal-795001.	-	-	-

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

Name	Telephone / Contact		
	Residence	Mobile	Email

1.4. Year of sanction:

16th November,2005

1.5. Staff Position (as on march 2010)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator				12,000-375-16,500 (Pre-revised)			Temporary	
2	Subject Matter Specialist	N.Tomba Singh	SMS (Agronomy)	Agronomy	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
3	Subject Matter Specialist	Dr.M.Thoithoi Singh	i/c,Programme Coordinator SMS (Plant protection)	Plant pathology	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
4	Subject Matter Specialist	S.Sumangal Singh	SMS (Plant Breeding & Genetics)	PBG	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
5	Subject Matter Specialist	Y.Bedajit Singh	SMS (Fisheries)	Fisheries	15,600-39100-P.B-3	16,880	12-4-07	-do-	-do-
6	Subject Matter Specialist	Dr.S.Zeshmarani	SMS (Animal Sc.)	Animal Science	15,600-39100-P.B-3	16,880	12-4-07	-do-	-do-
7	Subject Matter Specialist	Kh.Premlata Devi	SMS (Horticulture)	Horticulture	15,600-39100-P.B-3	16,880	12-4-07	-do-	SC
8	Programme Assistant	R.K.Lembisana Devi	Prog.Asst. (Home Sc.)	Home Science	9300-34,800-P.B-2	10130	12-4-07	-do-	Gen
9	Computer Programmer	L.Babita Devi	Prog.Asst. (Computer)	Computer	9300-34,800-P.B-2	10130	12-4-07	-do-	-do-
10	Farm Manager	W.Jiten Singh	Farm Manager		9300-34,800-P.B-2	10130	12-4-07	-do-	OBC
11	Accountant / Superintendent	NG.Brojendro Singh	Office Suptd. cum Acct.		9300-34,800-P.B-2	11010	01-3-07	-do-	Gen
12	Stenographer	M.Geeta Devi	Jr.Steno cum Computer operator		5200-20,200-P.B-1	8120	12-4-07	-do-	-do-
13	Driver	M.Hemanta Singh	Driver cum Mechanic		5200-20,200-P.B-1	6310	12-4-07	-do	-do-
14	Driver	Th.Tiken Singh	-do-		5200-20,200-P.B-1	6310	03-5-07	-do	-do-
15	Supporting staff	S.Dhabali Singh	Peon cum Chowkidar		4440-7440-1S	4800	12-4-07	-do-	-do-
16	Supporting staff	Mangminthang Zou	-do-		4440-7440-1S	4800	12-4-07	-do-	ST

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.055
2.	Under Demonstration Units	0.016
3.	Under Crops	5.4
4.	Orchard/Agro-forestry	4.529
5.	Others (specify)	

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Within 24 months.	550 (Ground floor)	76,33,000	Dec,2007	550(1st floor)	Work in good progress.
2.	Farmers Hostel							
3.	Staff Quarters (6)							
4.	Demonstration Units (2)							
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero, Diesel jeep	2006-07	5,08,657	62344	Good
Tractor, complete set	2006-07	4,35,543	1116	good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer withj accessories(2nos.)	March 2010	75,000	good
Fax	March,2010	25,000	Good
Photo copier	March,2010	1,00,000	Good
Digital Camera	March,2010	20,000	Good
LCD projector	March,2010	1,00,000	Good
Portable carp hatchery	March,2010	2,25,000	good

1.8. A). Details SAC meeting* conducted during 2010-11

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1	23/03/11	1.Dr.Arunkumar Singh ,Senior Scientist 2.L.Palandro Singh ,Dir.,Agri 3.Dr.K.Nimaichand Singh Dist.Sericulture Officer 4.P.Punitha Scientist Scientist(Agri Extension) 5.O.Ibomcha Singh, Rice breeder,Wangbal 6.Th.Joyprakash Singh, Project director,ATMA 7.K.Nilima, Research scholar 8.S.Manaobi Devi, Member 9.L.Sarat Singh, Member 10.Y.Shyamo Singh, Member 11.M.Kumar Singh, Member		

**** Attach a copy of SAC proceedings along with list of participants***

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2. DETAILS OF DISTRICT ()

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

S. No	Farming system/enterprise
1.	Agriculture
2.	Agriculture-Horticulture
3.	Agriculture-Horticulture-Animal Husbandry
4.	Agriculture-Horticulture-Fishery
5.	Agriculture-Animal Husbandry-Fishery
6.	Agriculture-Fishery
7.	Fishery

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

S. No	Agro-climatic Zone	Characteristics
1.	Sub tropical plain zone	The agro-climatic zone of the Thoubal dist. May be characterized by diverse soil type ranging from clay, clay loam, silty loam to peat and muck soil, high rainfall and high RH with distinct temperature variation between summer and winter, wide cultural diversity with different cropping pattern from fruits (pine apple, banana, mango), Vegetables (cauliflower, cabbage, brinjal, tomato), paddy, pulses and oil seeds, fish and farm animals. The district has the following topographical structures:- upland, medium land and low land and shallow lakes.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Fine, Umbric Dystrochrepts Fine, Typic Haplo humults.	Deep, excessively drained fine soils moderately steep side slopes of hills having clayey surface with moderate erosion, associated with deep well drained fine soils on moderately sloping side slopes of hills with moderate erosion and slight stoniness.	3500
2.	Fine Typic, Haplo humults Fine, Loamy Umbric Dystrochrepts	Deep, well drained, fine soils on moderately sloping side slopes of hills having loamy surface with moderate erosion, associated with moderately deep, excessively drained fine loamy soils on moderately steep side slopes of hills with moderate erosion and slight stoniness.	14,803.2
3.	Fine, Typic Haplaquepts Fine Ruptic Ultic Dystrochrepts	Deep, poorly drained, fine soils on nearly level valleys having clayey surface with very slight erosion, ground water table between one to two meters of the surface and slight flooding, associated with deep well drained fine soils on gently sloping side slopes of hills with slight erosion.	6251
4.	Very fine, molic haplaquepts	Deep ,very poorly drained, very find soils on nearly valleys having clayey surface with very slight erosion ground water level between one meter of the surface and severe flooding associated with deep, poorly drained fine soils on very gently sloping valleys with slight erosion ground water table between one to two meters of the surface and slight flooding.	22,373.8
5.	Fine, Typic Hapludalfs, Fine Silty Tupic Haplumbrepts	Deep, somewhat excessively drained, fine soils on sloping side slopes of hillocks having clayey surface with moderate to severe erosion associated with well drained fine silty soils on moderately sloping side slopes of hillocks with moderate erosion.	4572

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Paddy			
	i) Pre kharif	5338	1,07,293.3	20.09
	ii) Kharif	25,000	7,,25,000	29.09
	iii) Improved	10,550	2,21,550	21.00
	iv) Local paddy	1000	14,000	14.00
2.	Maize	250	5500	22.00
3.	Kharif pulses	150	1125	7.50
4.	Kharif oilseeds	120	912	7.60
5.	Sugarcane	830	12,45,000	1,500,00
6.	Rabi pulses	2125	23,377	11.00
7.	Rabi oilseeds	2050	34,850	17.00
8.	Potato	825	80,025	97.00
9.	Cole crops	725	87,000	120.00
10	Chilli	350	2,800	8.00
11.	Pineapple	2,000	16,00,000	800.00
12.	Wheat	42	798	19.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January	7.9	25.87	12.49	66.5
February	7.00	26.38	7.25	61.7
March	98.4	29.58	13.03	57.13
April	249.50	28.72	18.20	73.64
May	176.8	28.81	20.27	78.48
June	260.50	29.26	22.03	84.94
July	300.9	30.30	23.07	81.77
August	93.0	30.75	22.86	81.68
September	146.9	30.30	22.04	82.39
October	194.7	29.35	19.45	81.53
November	16.1	26.50	12.09	79.1
December	47.3	23.01	7.21	78.13

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

Category	Population	Production	Productivity
Cattle			
Crossbred	14166	47584lit/d	18lit/d
Indigenous	69784	37832lit/d	4lit/d
Buffalo	6079	2961lit/d	3lit/d
Sheep			
Crossbred			
Indigenous	318	2845kg	11kg/sheep
Goats	2540	18,650kg	12kg/goat
Pigs			
Crossbred	35184	925tonnes	75kg/pig
Indigenous	3760	57.8tonnes	52kg/pig
Rabbits			
Poultry			
Hens	62383	26,49,840eggs/year	120eggs/year/hen
Desi	122865	40,36,340eggs/year	220eggs/year
Improved	94500	47,12,780eggs/year	130eggs/year
Ducks	94371	12,220kg	20kg/turkey
Turkey and others	611		

Category	Area	Production	Productivity
Fish	1225 (ha)	3674(t)	3.0(t)
Marine			
Inland			
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

2.7 Details of Operational area / Villages (2009-10)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
		Thoubal	Yairipok	Paddy		
				Goat farming		
				Fishery		
			Maibam	Paddy		
				Horticulture (Cole crops)		
			Charangpat	Paddy		
				Horticulture (Green chilli)		

				Pig farming		
			Uyan	Paddy		
				Oilseeds & Pulses		
				Poultry Farming		
				Fishery		
			Uchiwa	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
				Fishery	Lack of knowledge for Scientific fish farming.	Scientific fish farming.
				Pig farming	Lack of knowledge for Integrated fish cum pig farming.	Integrated fish cum pig farming
			Sangai yumpham	Paddy	Injudicious use of fertilizers, pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
				Poultry farming	Problems in feeding readymade feeds.	Feeding management with locally available feeds.
			Wanging	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. Of paddy.
				Poultry farming	Problems in feeding readymade feeds.	Feeding management with locally available feeds.
				Horticulture (Green chilli)	Die Back, fruit rot.	Integrated pest management.
			Lilong	Vegetable crops (Cabbage, cauliflower, onion, broad bean)	Selection of variety, Lack of knowledge of cultivation techniques.	Varietal demonstration & new cultivation techniques.
		Kakching	Thongjao	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. Of paddy, varietal trails.
				Fishery	Disease management	Health management.
				Pig farming	Reduce body weight, preweaning mortality.	Piggery management.
			Umathel	Paddy		
				Oilseeds & pulses		
			Waikhong	Paddy		
				Pig farming		
			Wangoo	Paddy		
			Wangoo	Paddy		
				Fishery		
			Wabgai	Paddy		
				Horticulture (Chilli, cole crops)		
				Fishery		
				Potato		
				Tomato		
			Sekmaijin	Paddy		
			Tokpaching	Paddy		
				Horticulture		
				i) Water melon		
				ii) Giant chilli		

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice	Quality and production of existing rice variety(HYV)
Rice	Integrated farming system
Rice	Integrated pest management
Rice	Integrated nutrient management
Vegetable crops	Off season vegetable production
Vegetable crops	Integrated pest management
Poultry	Management of poultry
Pig	Management of pig
Dairy	Management of Dairy farming
Fishery	Health management
Fishery	Seed Production

* An example for guidance only

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2007-08

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

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers								
Rural youth								
Extn. Functionaries								

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Sup ma
1	Pearl culture	Pearl	Introduction of pearl culture	Pearl culture	-	Pearl culture	-	Training, demonstration & media	Mus
2	INM in mustard	Mustard	Injudicious use of fertilizer leads to soil degradation & yield	INM in mustard	-	INM in mustard	-	Training, demonstration & media	Seed fertili
3	Potato var-Kufri Himalini	Potato	No any other chip making potato variety	Cultivation of potato var. Kufri himalini	-	Cultivation of potato var. Kufri himalini	-	Training, demonstration & media	Seed
4	Varietal trail of French bean	French bean	Low yield of existing varieties	Varietal trail of French bean var. Sneha	-	Varietal trail of French bean var. Sneha	-	Training, demonstration & media	Seed
5	IPM for Brinjal	Brinjal	Borer & wilts	IPM for Brinjal	-	IPM for Brinjal	-	Training, demonstration & media	Seed pesti
6	IPM for Onion	Onion	Thrips & purple blotch	IPM for Onion	-	IPM for Onion	-	Training, demonstration & media	Seed pesti (spir
7	Rearing of local goat	Local goat	Poor performance of goat	Performance of non-descript goat	-	Performance of non- descript goat	-	Training, demonstration & media	Goat
8	Rearing of Khaki Campbell	Duck	Cost of readymade is high	Performance khaki Campbell	-	Performance khaki Campbell	-	Training, demonstration & media	Duck
9	Poultry Broiler	Broiler	High mortality, vaccination not done	Efficiency of Ranikhet & IBD vaccine	-	Efficiency of Ranikhet & IBD vaccine	-	Training, demonstration & media	Broil
10	Value addition	Gooseberry	Wastage of raw fruit	Value addition of gooseberry & heiyai	-	Value addition of gooseberry & heiyai	-	Training, demonstration & media	Goo Heiy
11	Pulse production	Blackgram	Lack of suitable cultivation method & variety	-	Improved cultivation of blackgram	Cultivation of blackgram	-	Training, demonstration & media	Seed P.P
12	Oilseed production	Soyabean	Lack of suitable cultivation method & variety	-	Improved cultivation of soyabean	Cultivation of soyabean	-	Training, demonstration & media	Seed P.P
13	Pulse production	Pea	Lack of suitable cultivation method & variety	-	Improved cultivation of pea	Cultivation of pea	-	Training, demonstration & media	Seed P.P
14	Oilseed production	Mustard	Lack of suitable cultivation method & variety	-	Improved cultivation of mustard	Cultivation of mustard	-	Training, demonstration & media	Seed P.P
15	Cultivation of potato	Potato	Lack of suitable chip making variety of potato	-	Cultivation of potato	Cultivation of potato var. Kufri Chipsona-1	-	Training, demonstration & media	Seed
16	Rice production	Rice	Low yield of existing rice varieties	-	Pre-kharif hybrid rice cultivation in fish farm	Pre-kharif hybrid rice cultivation in fish farm	-	Training, demonstration & media	Seed
17	IPM for potato	Potato	Potato tuber moth, late & early blights	-	IPM for potato	IPM for potato	-	Training, demonstration & media	P.P
18	IPM for tomato	Tomato	Fruit borer, late & early blight	-	IPM for tomato	IPM for tomato	-	Training, demonstration & media	P.P
19	Crossbred pig	Pig	Piglet mortality & feeding management	-	Production performance of crossbred pig	Production performance of crossbred pig	-	Training, demonstration & media	
20	Giriraja	Poultry bird giriraja	Poor production of indigenous poultry bird	-	Improvement of dual purpose bird using locally available feeds	Improvement of dual purpose bird using locally available feeds	-	Training, demonstration & media	Giri
21	Rice production	rice	Lack of new technology of rice production	-	SRI methodology	SRI methodology	-	Training, demonstration & media	Seed roller

3.1 Achievements on technologies assessed and refined

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	2
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management		1								1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					2					2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises						1				1
TOTAL										8

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

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 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 enterprises										
TOTAL										

* *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management		1						1
Value Addition								
Production and Management		1		1				2
Feed and Fodder								
Small Scale income generating enterprises							1	1
TOTAL		2		1			1	4

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

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
Fisheries

1) Title : Pearl culture
2) Problem diagnose/defined : Introduction of pearl culture
3) Details of technologies selected for assessment /refinement : Species: Lamilliden marginalis , Nucleus/ bead are prepared in different shapes and implanted between mantle and shell . Then kept in bamboo cages (1½ ft × 1ft) inside the pond water.
4) Source of technology : CIFA, Bhubaneswar
5) Production system thematic area : Pearl culture
6) Thematic area : Pearl culture
7) Performance of the Technology with performance indicators : Survival: 60% pearl formed in 40% of the culture mussel B: C ratio= 2.7:1
8) Final recommendation for micro level situation : It can be culture in most of the pond where fish culture is practice
9) Constraints identified and feedback for research : Low survival, percentage of pearl formation is less. Research needed with different techniques of implantation and different types of bead/ nucleus.
10) Process of farmers participation and their reaction : Training, demonstration. Ready to adopt the technology.
11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	
1	2	3	4	5	6	7	
Pearl	-	Introduction of pearl culture	Pearl culture	10	Species: Lamilliden marginalis Nucleus/ bead are prepared in different shapes and implanted between mantle and shell. Then kept in bamboo cages (1½ft × 1ft) inside the pond water	Survival: 60% Formation of pearl: 40% of cultured mussel	Su Fo pe B:

No. of farmers

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Pearl culture	Pearl formed in 40 mussel per 100 mussels	850 per 100 measurement	2.7:1

Trial 2
Animal science

1) Title : Performance of Non Descript goat of Manipur
2) Problem diagnose/defined : Poor performance of goat
3) Details of technologies selected for assessment /refinement : 1). Breed : Non Descript local goat of Manipur
II) Housing: Semi intensive
III) Feeding: No extra feed, browsing on the field and in addition little salt is given
IV) Regular vaccination of FMD
V) Regular Deworming
4) Source of technology : CVsc., Khanapara (2006)
5) Production system thematic area : Goat production & management
6) Thematic area : Production management
7) Performance of the Technology with performance indicators : I) Growth performance

II) Reproductive performance
III) Disease incidence
IV) Dressing%
V) B.C ratio

8) Final recommendation for micro level situation : Farming of non descript local goat of Manipur can be done to increase meat production and income generation.

9) Constraints identified and feedback for research : Most of goat die due to enterotoxaemia. Vaccine not available in Manipur. No research needed except to make available the vaccine for enterotoxaemia.

10) Process of farmers participation and their reaction : Training programme, field visit, DDK programme

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Da pa
1	2	3	4	5	6	7	
Non Descript local goat	-	Poor performance of goat	Performance of non-descript local goat of Manipur	5	Performance of non-descript of goat	i) Growth performance ii) Reproductive performance iii) Disease incidence iv)Dressing%	i) Grov perfor a) Bod at (kg) Birth-1 3mont 6mont 9mont 12mor 12.99 ii)Repr perfor (days) Age at 310.25 at con 340.23 first ki 498.35 gestati period 153da partur 52.21 servic 114.33 kiddin 260.33 dressi 44.35 iv) Dis incide Both e endo p were c b) Dia comm rainy s

** No. of farmers*

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Performance of non-descript of goat	Meat-5.7kg Kid-1.75nos	Rs.1600	3.28:1

Trial 3

Animal science

1) Title : Efficiency of Ranikhet & IBD vaccine on Broiler

2) Problem diagnose/defined : Mortality rate is high, vaccination not done

3) Details of technologies selected for assessment /refinement :i) Breed- Broiler var. Classic Hubbard
ii) No. of birds-100
iii) No . of trail-10
iv) Housing- 1sq.ft/ bird
v) Brooding- 2 watt/bird
v) Vaccination- Ranikhet 5th &21st day, IBD-14th day

4) Source of technology : ICAR

5) Production system thematic area : Disease management

6) Thematic area : Disease management

7) Performance of the Technology with performance indicators : i) Body weight-at 0, 4 & 8 weeks
ii) Survibility-at ,4 & 8 weeks
iii) Dressing%

8) Final recommendation for micro level situation : Mortality rate is reduced when vaccination is done and body growth rate is increase thereby increase the profit of the poultry farmer

9) Constraints identified and feedback for research : Anti bacterial drug is needed before vaccination to avoid any incidence of diseases. Research needed on the production by giving anti bacterial drug before vaccination.

10) Process of farmers participation and their reaction : i) Training, demonstration
ii) Ready to adopt the new technology

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment
1	2	3	4	5	6	7
Broiler var. Classic Hubbard	-	i) Vaccination not done ii) Mortality rate is high	Efficiency of Ranikhet & IBD vaccine on broiler	10	Efficiency of Ranikhet & IBD vaccine on broiler	i) Survibility at 4 & 8 weeks ii) Body weight at 0,4 & 8 weeks iii) Dressing%

**** No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Efficiency of Ranikhet and IBD vaccine on Broiler	Meat- 3.15kg	Rs.105	1.5:1

Trial 4

Animal science

1) Title : Performance of khaki Campbell using locally available feeds
2) Problem diagnose/defined : Cost of readymade feed is very high

3) Details of technologies selected for assessment /refinement : i) Breed- Khaki Campbell
ii) Housing- 2.5sqft/ bird
iii) No. of birds- 100
iv) No. of trails- 10
v) Feeding- Rice bran+ locally available vegetables, weeds, snails, salt
0-8 wks-1.75 kg/ bird
9-20wks- 6.75 kg/ bird
21-72wks- 0.11kg/ bird/ day

4) Source of technology : In pipeline
5) Production system thematic area : Duck production & management
6) Thematic area : Production & management
7) Performance of the Technology with performance indicators : i) Body weight at 0 – 48g ,4wk- 320g & 8 wks-900g
ii) Survibility at 4wks- 95% & 8wks-92 %
iii) Egg weight-60.58gm
iv) Fertility%-92
v) Hatchability % -72
vi) Dressing %-78

8) Final recommendation for micro level situation : Khaki Campbell can be reared for income generation

9) Constraints identified and feedback for research : Duck plague vaccine not available in Manipur

10) Process of farmers participation and their reaction :Training, demonstration, field visit

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	D p
1	2	3	4	5	6	7	
Khaki campbell	-	Cost of ready made feed is high	Performance of khaki campbell using locally available feed	10	Performance of khaki campbell using locally available feed	i) Body weight at 0,4 & 8 wks ii) Survibility at 4wks & 8wks iii) Egg weight iv) Fertility% v) Hatchability vi) Dressing %	i) Bo 0- 4 320 900 ii) S 4wk & 8 iii) E 60.8 iv) F v) H %-7 vi) D 78

** No. of farmers*

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Production performance of khaki campbell using locally available feed	Meat-1.92Kg Eggs-255 nos.	1448.90	3.12:1

Plant Protection

Trial 5

1.	Title	:IPM for Brinjal
2.	Problem diagnose/defined	: Fruit borer & wilt
3.	Details of technologies selected for assessment/refinement	:Inoculation of mycorrhiza in the soil, spraying of thiophenate methyl 70% WP & coragen @ 20 gm and 60ml/ ha respectively
4.	Source of technology	:DPQS, Hyderbad
5.	Production system thematic area	: IPM
6.	Thematic area	:IPM
7.	Performance of the Technology with performance indicators	:Greatly reduce the incidence of fruit borer & wilt
8.	Final recommendation for micro level situation	: Can be recommended in the district
9.	Constraints identified and feedback for research	:No constraints identified & no need for further research
10.	Process of farmers participation and their reaction :	. Training, demonstration, DDK programme, field visit

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters o assessment
1	2	3	4	5	6	7
Brinjal	Irrigated	Fruit borer & wilts	IPM for brinjal	10	IPM for brinjal	i) No. of borer infested plants/ infested shoot & fruits ii) No. of wilted plants

No. of farmers

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
IPM for brinjal Chemical control (farmers practice)	222q 190q	1,71,880	2.81:1

No. of farmers

Trial 6
Plant protection

1. Title :IPM for Onion
2. Problem diagnose/defined : Purple blotch & thrips
3. Details of technologies selected for assessment/refinement : Application of mancozeb 75% @ 8kg, 100ml & 1kg/ ha respectively
4. Source of technology :DPQS, Hyderbad
5. Production system thematic area : IPM
6. Thematic area :IPM
7. Performance of the Technology with performance indicators :Drastically reduce the incidence of purple blotch & thrips
8. Final recommendation for micro level situation : Recommended for demonstration and adoption in farmers field.
9. Constraints identified and feedback for research : No constraints identified
10. Process of farmers participation and their reaction : Training, demonstration, DDK programme, field visit

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment
1	2	3	4	5	6	7
Onion	Irrigated	Purple blotch, thrips & mites	IPM for onion	10	IPM for onion	No. of infested plants by purple blotch & thrips

**** No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
IPM for onion	279.5q	2,31,400	3.23
Chemical control(farmers practice)	201q	NA	

Trial 7
Horticulture

1)	Title	:Introduction of Kufri Himalini on potato variety
2)	Problem diagnose/defined	: No any other chip making potato variety have been tried in the district
3.	Details of technologies selected for assessment/refinement	:i) Crop- Potato ii) Variety- Kufri Himalini iii) Spacing- 60x 20cm iv) Seed rate- 20q/ ha v) Sowing time- November vi) Nutrients- 150:80:120 NPK kg/ ha
4.	Source of technology	:ICAR, 2005
5.	Production system thematic area	: Varietal evaluation
6.	Thematic area	: Varietal evaluation
7.	Performance of the Technology with performance indicators	:Yield-240q/ ha, B:C ratio- 2.68 :1
8.	Final recommendation for micro level situation	: Recommended for micro level situation for SHG farmers as the variety is suitable for chip making
9.	Constraints identified and feedback for research	:Seed is not readily available. It is a new variety hence farmers are reluctant to adopt the variety. Need to study pest & disease infestation & nutritive value of the variety
10.	Process of farmers participation and their reaction :	Training, demonstration, DDK programme, field visit

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameter assessm
1	2	3	4	5	6	7
Potato	Irrigated	No any other chip making potato variety in the district	Introduction of potato variety Kufri himalini	4	Kufri himalini potato variety	Tuber size, no. of tube plant, yield

**** No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Var. kufri himalini	240q/ ha	1,50,490	2.68:1

**** No. of farmers***

Trial 8
Home Science

1)	Title	:Value addition of Gooseberry & heiyai
2)	Problem diagnose/defined	: Row fruits are wasted, low incime for farmers
3.	Details of technologies selected for assessment/ refinement	: Fruit preservation by, salting, heating & dehydration
4.	Source of technology	:IGNOU (2008)
5.	Production system thematic area	: Value addition
6.	Thematic area	:Value addition
7.	Performance of the Technology with performance indicators	:Greatly reduce the spoiled percentage and high gross return from the fruit
8.	Final recommendation for micro level situation	:Can be recommended in the district
9.	Constraints identified and feedback for research	:Heiyai being highly perishable its has problem in processing
10.	Process of farmers participation and their reaction	: Training, demonstration, field visit

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment
1	2	3	4	5	6	7
Value addition	-	Row fruits wasted low income for farmers	Value addition of gooseberry	10	Fruit preservation	Techniques of preservation salting heating & dehydration spoiled % after processing

**** No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Value addition of gooseberry	14kg	1760	2.95:1

**** No. of farmers***

Trial 9
Agronomy

3)	Title	:INM in mustard
4)	Problem diagnose/defined	: Injudicious use of fertilizers alone deterioration of soil health & reduce yield & quality of produce
3.	Details of technologies selected for assessment/ refinement	: Use of bio fertilizers along with chemical fertilizer. Biofertilizer- Azotobactor & azospirillum, variety- local mustard
4.	Source of technology	:Agriculture
5.	Production system thematic area	: INM in mustard
6.	Thematic area	:INM in mustard
11.	Performance of the Technology with performance indicators	: Yield attributes like no.of siliqua/ plant, no.of seeds/ siliqua increases as compared to check plots
12.	Final recommendation for micro level situation	:INM in mustard can be taken up demonstration
13.	Constraints identified and feedback for research	:Azotobacter & aazospirillum are not easily available in the market
14.	Process of farmers participation and their reaction	: Training, field visit, interaction with farmers. Research needed wi

11). Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*
1	2	3	4	5
Mustard	Rainfed	Injudicious use of fertilizers alone deterioration of soil health & reduce yield & quality of produce	INM in mustard	3

No. of farmers

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
INM in mustard using Azotobacter, Azospirillum with chemical fertilizers	8.5q/ha 7.0q/ha	6,575	1.77:1

B. Technology Refinement

Trial 1

Field crops – kg/ha, * for horticultural crops :- kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

****Give details of the technology assessed or refined and farmer's practice***

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 2010-2011 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Rice	Rice production	Hybrid rice	Training, field visit,radio talk, TV talk	30	145	70
2	Rice	Rice production	SRI	Training, field visit,radio talk, TV talk	20	95	40
3	Pea	Pulse production	Innovative farmers method	Training, field visit,, TV talk, participation in NE Agri fair, Innovative Farmers meet	15	45	10
4	Cabbage	IPM	DBM control through trap crop	Training, field visit,radio talk, TV talk	10	30	20
5	Brocolli	Exotic vegetable production	Varietal evaluation of broccoli	Training, field visit,radio talk, TV talk	5	20	5

Thematic areas as given in Table 3.1 (A1 and A2)

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**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Potato	Tuber production	Cultivation of potato var. kufri chipsona-1	Kharif 2010	5	5	2	8	10	-
2	Blackgram	Pulse production	Cultivation of blackgram	Kharif 2010	5	5	3	7	10	-
3	Soyabean	Oilseed production	Cultivation soyabean	Rabi 2010	5	5	-	10	10	-
4	Pea	Pulse production	Cultivation of pea	Rabi 2010	5	5	2	8	10	-
5	Mustard	Oilseed production	Cultivation of mustard	Kharif 2010	5	5	2	8	10	-
6	Rice	Rice production	Pre-kharif hybrid rice cultivation in fish farm	Pre Kharif 2010	5	5	3	7	10	-
7	Potato	IPM	IPM for potato	Rabi 2010	2.5	2.5	-	10	10	-
8	Tomato	IPM	IPM for tomato	Rabi 2010	2.5	2.5	-	10	10	-
9	Pig	Piggery production	Production performance of crossbred pig	-	-	-	-	10	10	-
10	Poultry	Poultry production	Improvement of dual purpose bird using locally available feed	-	-	-	-	10	10	-
11	Rice	Rice production	SRI	Kharif 2010	5	5	3	7	10	-
12	Rice	Rice production	Hybrid rice production technology	Kharif 2010	5	5	3	7	10	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Potato	Rabi	Irrigated	Silty loam	-	-	-	Rice	Last week of Nov. to 1st wk. of dec	2nd wk of April	266.8	26
Blackgram	Kharif	Rainfed	Silty loam	-	-	-	Vegetable	2nd to 3rd week of july	2nd – 3rd wk of oct.	631.6	63
Soybean	Kharif	Rainfed	Silty loam	-	-	-	Vegetable	2nd to 3rd week of july	3rdwk to 4th wk of oct.	633.6	65
Pea	Rabi	Rainfed	Clay loam	-	-	-	Paddy	3rd week of nov	2nd to 3rd wk of march	80.2	13
Mustard	Rabi	Rainfed	Clay loam	-	-	-	Paddy	3rd wk of nov	1st to 2nd wk of march	79.7	12
Rice	Pre Kharif	Irrigated	Clay loam	-	-	-	Fish	1st to 2nd wk of march	1st to 2nd wk f july	886.3	96
Potato	Rabi	Irrigated	Silty loam	-	-	-	Paddy	2nd wk of Nov.	2rd wk of march	87.9	13
Tomato	Rabi	Irrigated	Silty loam	-	-	-	Paddy	3rd wk of Nov.	Continuing harvesting from march	125.2	18
Pig	-	-	-	-	-	-	-	-	-		
Poultry	-	-	-	-	-	-	-	-	-		
Rice	Kharif	Rainfed	Clay loam	-	-	-	Paddy	3rd wk of june to 1st week of july	1st week of nov	788.6	88
Rice	Kharif	Rainfed	Clay loam	-	-	-	Paddy	June	Last week of oct.	1003.2	106

Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to te demonstrated	
						H	L	A			Demo	Lo
1	Potato	Cultivation of potato	Kufri chipsona-1	4	0.24	260	250	255	200	21.57	Tuber size-70-80gm No.of tuber/plt-6-8 Yield-255g/ha	Tuber size- No.of tuber Yield-200g/
2	Blackgram	Cultivation of blackgram	T-9	10	5	8.7	7.2	7.95	5.1	35.84	Pods/ plt-30 Grains/pod-3-4	Pods/ plt-2 Grains/pod-
3	Soyabean	Cultivation of soyabean	JS-335	10	5	13.2	10.7	11.95	8.8	26.36	Pods/ plt-35 Grains/pod-3-4	Pods/ plt-2 Grains/pod-

4	Pea	Cultivation of pea	Rachna	10	5	9.2	7.5	8.35	8.2	1.80	Pods/ plt-16.2 Grains/pod-6	Pods/ plt-14 Grains/pod-
5	Mustard	Cultivation of mustard	M-27	10	5	8.4	7.3	7.85	6.9	12.1	Siliqua/ plt-58 No.of seeds/siliqua-8	Siliqua/ plt-5 No.of seeds
6	Rice	Pre-kharif hybrid rice cultivation in fish farm	PAC-807	10	5	11.5	8.5	10	4.8	20.83	No.of tiller-40 No.of grains/ panicle-285	No.of tiller-1 No.of grains 110
7	Potato	IPM for potato	Local aber chaibi/ kufri jyoti	10	0.25	192	170	181	160	11.60	Potato tuber moth-negligible Late & early blight infestation reduced to 5%	PTM le Late & ea level
8	Tomato	IPM for tomato	Namdhari-813	10	0.25	263	247	255	240	5.90	Fruit borer infestation reduced to 3%, Late & early blight level reduced to 5%	Fruit borer Late & ea 25
9	Crossbred pig (50% local & 50% Hampshire)	Production performance of crossbred pig	50% local & 50% Hampshire	10	-	i. Litter size at birth- 16 ii. Litter size at weaning – 15 iii.Individual body wt. at birth-900g iv.Individual body wt. at weaning (42days)-20kg	i. Litter size at birth- 11 ii.Litter size at weaning -9 iii.Individual body wt. at birth-525g iii.Individual body wt. at weaning (42days)-12kg	i.Litter size at birth-13.5 ii.Litter size at weaning -12 iii.Individual body wt. at birth-712.5g iv.Individual body wt. at weaning (42days)-16kg	i.Litter size at birth-8.24 ii.Litter size at weaning – 4.82 iii.Individual body wt. at birth-562.5g iv.Individual body wt. at weaning (42days)-12.5kg	i.Litter size at birth- 38.96 ii.Litter size at weaning -76.59 iii.Individual body wt. at birth-21.05 iv.Individual body wt. at weaning (42days)-21.87	i.Litter size at birth-13.1 ii.Litter size at weaning -11.8 iii.Individual body wt. at birth-727.5g iv.Individual body wt. at weaning (42days)-16.1kg	i.Litter siz 8. ii.Litter size – 4 iii.Individu at birth- iv.Individu at we (42days
10	Poultry	Trial continuing										
11	Rice	SRI	PAC-801	10	2.5	10.08	8.64	9.36	5.2	44.4	No. of tillers-45 No. of grains/ panicle-280 Test wt.-28.3g	No. of ti No. of grai 1
12	Rice	Hybrid rice production	PAC-801	10	5	9.5	8.0	8.75	5.0	42.85	No. of tillers-25 No. of grains/ panicle-285 Test wt.-28.3g	No. of ti No. of grai 1

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
89,510	86,410	2,55,000	2,00,000	1,65,490	1,13,590	2.84:1
15,500	9,700	23,850	15,300	8,350	5,600	1.54:1
22,250	14,500	35,850	26,400	16,600	11,900	1.61:1
18,450	17,250	33,400	32,800	14,950	15,550	1.81:1
12,200	10,500	23,550	20,700	11,350	10,200	1.93:1
41,000	44,000	1,20,000	57,600	79,000	13,600	2.93:1
1,31,000	1,30,000	2,71,500	2,40,000	1,76,980	1,44,500	2.87:1
94,520	95,000	3,06,000	2,88,000	2,82,370	2,63,500	3.23:1
9400 (per pig)	8300 (per pig)	30,000(per pig)	18,000 (per pig)	21,600(9per pig)	9400 (per pig)	3.19:1
Yet to be assessed						
42,000	44,500	1,12,320	62,400	70,320	17,900	2.67:1
46,200	46,200	1,05,000	60,000	58,800	13,800	2.27:1

Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Rice	Pre kharif	1. Seed/Variety	Irrigated	10	4.8	20.83
Rice	Kharif	2. Bio-fertilizer variety	Irrigated	8.75	5.0	42.85
Potato	Rabi	3. Fertilizer management variety	Irrigated	255	200	21.57
		4. Plant Protection				
		5. Combination of components (Please specify)				

Technical Feedback on the demonstrated technologies

S. No	Feed Back

Farmers' reactions on specific technologies

S. No	Feed Back

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	1	5.3.11	140	Distributed seeds, duckling,& Fish
2	Farmers Training	1 1 1	16.4.10 24.5.10 10.11.10	29 39 21	Conducted training for kharif oilseeds & pulses Conducted training for SRI Conducted training for Rabi oilseeds & pulses
3	Media coverage	1	20.12.10	-	DDK coverage of FLD peas
4	Training for extension functionaries				

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Field efficiency, labour saving etc.***

(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		% change in the parameter	Remarks
					Demon.	Local check		
Pig	50% local & 50% Hampshire	10	10	i. Litter size at birth ii. Litter size at weaning iii. Individual body wt. at birth iv.Individual body wt. at weaning	i. Litter size at birth-13.1 ii. Litter size at weaning -11.8 iii. Individual body wt. at birth-727.5g iv. Individual body wt. at weaning (42days)-16.1kg	i. Litter size at birth- 8.24 ii. Litter size at weaning – 4.82 iii. Individual body wt. at birth-562.5g iv. Individual body wt. at weaning (42days)-12.5kg	i. Litter size at birth- 38.96 ii. Litter size at weaning -76.59 iii. Individual body wt. at birth-21.05 iv. Individual body wt. at weaning (42days)-21.87	Mortality rate is reduced after proper care and management of piglet before weaning

**** Milk production, meat production, egg production, reduction in disease incidence etc.***

(iii) Other Enterprises

					Data on parameter in relation to		

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom								
Apiary								
Sericulture								
Vermi compost								

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

A) ON Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies (Rice Prodn.)	1	36	3	39				36	3	39
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production Pulse & oilseed prodn.	1	17	4	21				17	4	21
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
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 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 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										
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 Management										
Integrated Disease Management										
Bio-control of pests and diseases (nozzles)										
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	10		10	2	-	2	12	-	12
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										
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										
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	3	63	9	72				63	9	72
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic 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										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL										
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient 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										
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										

B) OFF Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										

I Crop Production Rice prodn.	4	52	32	84				52	32	84
Weed Management										
Resource Conservation Technologies Pulse prodn.	1	26	3	29				26	3	29
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nursery management	1	24	-	24				24	-	24
Integrated Crop Management	1	28	1	29				28	1	29
Fodder production										
Production of organic inputs										
Nutrient management	1	15	5	20				15	5	20
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season (vegetables prodn.)	1	5	16	21				5	16	21
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
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 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 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	2	37	9	46				37	9	46
Piggery Management	3	31	32	63				31	32	63
Rabbit Management										
Disease Management										
Feed management	1	11	7	18				11	7	18
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	1	6	14	20				6	14	20
Gender mainstreaming through SHGs										
Storage loss minimization techniques	1	2	18	20				2	18	20
Value addition	1	2	18	20				2	18	20
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts	1	5	15	20				5	15	20
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 Management	3	49	8	57				49	8	57
Integrated Disease Management	3	39	3	42	26	4	30	65	7	72
Bio-control of pests and diseases (Nozzles)	1	15		15				15	-	15
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming	1	20	-	20	-	-	-	20	-	20
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	2	30	3	33	-	-	-	33	-	33
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 health management	1	13	-	13	-	-	-	13	-	13
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										
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(Rice Prodn.)	5	55	5	60	39	1	40	94	6	100
Group dynamics										
Formation and Management of SHGs (Seed prodn.)	5	59	15	74	39	6	45	98	21	119
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	40	524	204	728	104	11	115	631	212	843
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production (Tuber Prodn.)	2	20	16	36				20	16	36
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture(Spice Prodn.)	1	18	8	26				18	8	26
Sericulture(Intercropping)	1	5	16	21				5	16	21
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements (Kitchen gardening)	6	126	101	227				126	101	227
Nursery Management of Horticulture crops										
Training and pruning of orchards Bulb crop prodn.	1	12	1	13				12	1	13
Value addition1	1	3	10	13				3	10	13
Production of quality animal products (Integration of livestock)	2	41	8	49				41	8	49
Dairying	1	20	-	20				20	-	20
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	1	4	17	21				4	17	21
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming	1	12	8	20				12	8	20
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts(Food & nutrition)	1	-	20	20				-	20	20
TOTAL	18	261	205	466				261	205	466
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient 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										
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										

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production (Rice prodn.)	5	88	35	123				88	35	123
Weed Management										
Resource Conservation Technologies Pulse & oilseed prodn.	2	43	7	50				43	7	50
Cropping Systems										
Crop Diversification										

Integrated Farming										
Water management										
Seed production										
Nursery management	1	24	-	24				24	-	24
Integrated Crop Management	1	28	1	29				28	1	29
Fodder production										
Production of organic inputs										
Nutrient management	1	15	5	20				15	5	20
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season(vegetables prodn)	1	5	16	21				5	16	21
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
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 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 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	2	37	9	46				37	9	46
Piggery Management	3	31	32	63				31	32	63
Rabbit Management										
Disease Management	1	11	7	18				11	7	18
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	1	6	14	20				6	14	20
Gender mainstreaming through SHGs										
Storage loss minimization techniques	1	2	18	20				2	18	20
Value addition	1	2	18	20				2	18	20
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts	1	5	15	20				5	15	20
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 Management	3	49	8	57				49	8	57
Integrated Disease Management	3	39	3	42	26	4	30	65	7	72
Bio-control of pests and diseases (Nozzles)	1	15	-	15				15	-	15
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management	1	20	-	20	-	-	-	20	-	20
Carp fry and fingerling rearing										
Composite fish culture	2	30	3	33	-	-	-	33	-	33
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 health management	1	13	-	13	-	-	-	13	-	13
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										
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										
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 (Rice production)	5	55	5	60	39	1	40	94	6	100
Nursery management (Seed production)	5	59	15	74	39	6	45	28	21	119
Integrated Farming Systems										
TOTAL	42	577	211	788	104	11	115	681	222	903
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic 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	1	3	10	13				3	10	13
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture	2	22	8	30	2	-	2	32	-	32
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts(Food & nutrition)	1	-	20	20				-	20	20
TOTAL	4	25	38	63	2		2	35	30	65
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient 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										
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	46	602	249	851	106	11	117	716	252	968

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

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participangs		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
AGRONOMY															
7-4-10	**PF**	**SRI**	**Agronomy**	**Crop production**	**1**	**OFF**	**15**	**6**	**21**	**-**	**-**	**-**	**15**	**6**	**21**
16-4-10	**PF**	**Cultivation of kharif pulses**	**Agronomy**	**Pulse production**	**1**	**OFF**	**26**	**3**	**29**	**-**	**-**	**-**	**26**	**3**	**29**
4-5-10	**PF**	**Nursery raising of rice**	**Agronomy**	**Nursery management**	**1**	**OFF**	**24**	**-**	**24**	**-**	**-**	**-**	**24**	**-**	**24**
24-5-10	**PF**	**SRI**	**Agronomy**	**Crop production**	**1**	**ON**	**36**	**3**	**39**	**-**	**-**	**-**	**36**	**3**	**39**
10-11-10	**PF**	**Cultivation of rabi pulses & oilseed**	**Agronomy**	**Pulse & oilseed production**	**1**	**ON**	**17**	**4**	**21**	**-**	**-**	**-**	**17**	**4**	**21**
15-9-10	**PF**	**Fertilizer management of at P.I stage**	**Agronomy**	**Nutrient management**	**1**	**OFF**	**15**	**5**	**20**	**-**	**-**	**-**	**15**	**5**	**20**
28-1-11	**PF**	**Agronomic management of rabi pulses & oilseeds**	**Agronomy**	**Crop production**	**1**	**OFF**	**28**	**1**	**29**	**-**	**-**	**-**	**28**	**1**	**29**
7-2-11	**PF**	**SRI**	**Agronomy**	**Crop production**	**1**	**OFF**	**8**	**5**	**13**	**-**	**-**	**-**	**8**	**5**	**13**

14-3-11	PF	SRI	Agronomy	Crop production	1	OFF	15	10	25	-	-	-	15	10	25
21-4-11	PF	SRI	Agronomy	Crop production	1	OFF	14	11	25	-	-	-	14	11	25
HORTICULTURE															
26-4-10	RY	Post harvest management of bulb crops	Horticulture	Tuber production	1	OFF	10	10	20	-	-	-	10	10	20
28-5-10	RY	Cultural practices of ginger	Horticulture	Spice production	1	OFF	18	8	26	-	-	-	18	8	26
16-7-10	RY	Practices & benefits of intercropping in vegetables crops	Horticulture	Cropping system	1	OFF	15	5	20	-	-	-	15	5	20
29-10-10	RY	Cultural practices of rabi vegetables crops	Horticulture	Vegetable production	1	OFF	5	16	21	-	-	-	5	16	21
16-11-10	RY	Cultivation of potato	Horticulture	Tuber production	1	OFF	10	6	16	-	-	-	10	6	16
12-1-11	RY	Pre harvest management of bulb crops	Horticulture	Bulb crop production	1	OFF	12	1	13	-	-	-	12	1	13
ANIMAL SCIENCE															
9-4-10	RY	Livestock integration	Animal science	Livestock production	1	OFF	20	3	23	-	-	-	20	3	23
12-7-10	PF	Preparation of feed for poultry	Animal science	Feed management	1	OFF	11	7	18	-	-	-	11	7	18
31-7-10	RY	Livestock integration	Animal science	Livestock production	1	OFF	21	5	26	-	-	-	21	5	26
31-8-10	RY	Scientific poultry farming	Animal science	Poultry production	1	OFF	4	17	21	-	-	-	4	17	21
29-9-10	PF	Management of pig	Animal science	Pig production	1	OFF	5	16	21	-	-	-	5	16	21
	RY	Diary management	Animal science	Diary management	1	OFF	20	-	20	-	-	-	20	-	20
30-11-10	PF	Piggery management	Animal science	Piggery management	1	OFF	22	-	22	-	-	-	22	-	22
13-1-11	PF	Broiler management	Animal science	Poultry management	1	OFF	12	9	21	-	-	-	12	9	21
25-1-11	PF	Piglet management	Animal science	Piglet management	1	OFF	4	16	20	-	-	-	4	16	20
23-2-11	PF	Broiler management	Animal science	Poultry management	1	OFF	25	-	25	-	-	-	25	-	25
HORTICULTURE															
30-8-10	Students	Kitchen gardening	Horticulture	Vegetable production	1	OFF	28	10	38	-	-	-	28	10	38
30-8-10	Students	Kitchen gardening	Horticulture	Vegetable production	1	OFF	11	23	34	-	-	-	11	23	34
1-9-10	Students	Kitchen gardening	Horticulture	Vegetable production	1	OFF	37	21	58	-	-	-	37	21	58
1-9-10	Students	Kitchen gardening	Horticulture	Vegetable production	1	OFF	11	19	30	-	-	-	11	19	30
3-9-10	Students	Kitchen gardening	Horticulture	Vegetable production	1	OFF	4	19	23	-	-	-	4	19	23
3-9-10	Students	Kitchen gardening	Horticulture	Vegetable production	1	OFF	35	9	44	-	-	-	35	9	44
PLANT BREEDING															
12-4-10	PF	SRI using hybrid PAC-807 in fish farm	PBG	Rice production	1	OFF	12	4	16	-	-	-	12	4	16
3-5-10	PF	Management of stored grain & seed village	PBG	Rice seed production	1	OFF	-	-	-	22	-	22	22	-	22
20-5-10	PF	Hybrid rice & its cultivation	PBG	Rice production	1	OFF	-	-	-	20	-	20	20	-	20
31-7=10	PF	Rice seed production using SRI	PBG	Rice seed production	1	OFF	-	-	-	17	6	23	17	6	23
29-8-10	PF	Rice seed production using SRI	PBG	Rice seed production	1	OFF	26	5	31	-	-	-	26	5	31
5-9-10	PF	Rice seed production	PBG	Rice seed production	1	OFF	21	1	22	-	-	-	21	1	22
22-1-11	PF	Pre-kharif rice &its management	PBG	Rice production	1	OFF	22	1	23	-	-	-	22	1	23
4-2-11	PF	Pre-kharif rice & their management	PBG	Rice production	1	OFF	-	-	-	19	1	20	19	1	20
10-2-11	PF	Pre-kharif rice & their management	PBG	Rice production	1	OFF	21	-	21	-	-	-	21	-	21
15-3-11	PF	Seed production as a profitable business	PBG	Seed production	1	OFF	12	9	21	-	-	-	12	9	21
FISHERY															
5-4-10 to 6-4-10	RY	Pearl culture	Fishery	Pearl culture	1	OFF	10	-	10	2	-	2	12	-	12
24-4-10	PF	Induce breeding of carps	Fishery	Breeding & seed production	1	ON	20	-	20	-	-	-	20	-	20
7-6-10	PF	Scientific fish farming	Fishery	Composite fish culture	1	OFF	13	1	14	-	-	-	13	1	14
3-9-10	PF	Scientific fish farming	Fishery	Composite fish culture	1	OFF	16	3	19	-	-	-	16	3	19
3-12-10	PF	Fish health management	Fishery	Fish health management	1	OFF	13	-	13	-	-	-	13	-	13
29-1-11	RY	Pearl culture	Fishery	Pearl culture	1	OFF	12	8	20	-	-	-	12	8	20
PLANT PROTECTION															
22-4-10	PF	IPM for tomato	Plant protection	IPM	1	OFF	19	-	29	-	-	-	19	-	19
9-6-10	PF	Pest & disease management in SRI fields	Plant protection	Pest & disease management	1	OFF	13	3	16	-	-	-	13	3	16
4-9-10	PF	Pest management in mango orchard	Plant protection	Pest management	1	OFF	-	-	-	26	4	30	26	4	30
21-8-10	PF	IPM for rice	Plant protection	IPM	1	OFF	18	6	24	-	-	-	18	6	24
23-8-10	RY	Nozzles for different pest	Plant protection	Farm machineries	1	OFF	15	-	15	-	-	-	15	-	15
3-12-10	PF	IPM for cruciferous plants	Plant protection	IPM	1	OFF	12	2	14	-	-	-	12	2	14
10-1-11	PF	Pest management in cole crops	Plant protection	Pest management	1	OFF	26	-	26	-	-	-	26	-	26
HOME SCIENCE															
26-4-10	PF	Improvement of productivity income from pineapple	Home science	Value addition	1	OFF	2	18	20	-	-	-	2	18	20
29-5-10	RY	Diet for pre-school child	Home science	Food & nutrition	1	OFF	-	20	20	-	-	-	-	20	20
27-6-10	PF	Preserving nutrients for better nutrition	Home science	Food & nutrition	1	OFF	6	14	20	-	-	-	6	14	20
30-10-10	RY	Storage of citrus fruit	Home science	Value addition	1	OFF	3	10	13	-	-	-	3	10	13
18-1-11	PF	Dehydration of vegetable	Home science	Storage loss minimization technique	1	OFF	2	18	20	-	-	-	2	18	20
3-3-11	PF	Income generation activity	Home science	Rural craft	1	OFF	5	15	20	-	-	-	5	15	20

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
								Type of	Number of	Number of	

					Male	Female	Total	units	units	persons employed	

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl.No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	10-9-10	Farmers awareness on poultry feed	Animal science	Feed management	1	PF	1	44	3	47	1	3	4	45	6	51	AMRICON	5000/-
2	25-2-11	Farmers awareness on poultry feed	Animal science	Feed management	1	PF	1	32	8	40	10	1	11	42	9	51	AMRICON	5000/-
3	21-2-11 to 25-2-11	Composite fish culture	Fisheries	Composite fish culture	5	PF	1	25	-	25	-	-	-	25	-	51	NFDB	2,20,625/-
4	1-3-11 to 5-3-11	Fish health management	Fisheries	Fish health management	5	PF	1	22	3	25	-	-	-	22	3	25	NFDB	
5	6-3-11 to 10-3-11	Integrated aquqculture	Fisheries	Integrated aquqculture	5	PF	1	23	2	25	-	-	-	23	2	25	NFDB	
6	11-3-11 to 15-3-11	Culture of fresh water prawn	Fisheries	Culture of fresh water prawn	5	PF	1	21	4	25	-	-	-	21	4	25	NFDB	
7	26-3-11 to 31-3-11	Breeding and seed production of commercially important fish species	Fisheries	Seed production	5	PF	1	23	2	25	-	-	-	23	2	25	NFDB	
Total																		

3.4. Extension Activities (including activities of FLD programmes)

Sl. No.	Nature of Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	To
1.	Field Day	5.3.11	1	62	15	77	13	9	22				75	24	9
2.	Field Day														
3.	Field day														
	Total		1	62	15	77	13	9	22				75	24	9
4.	Kisan Mela														
5.	Kisan Mela														
	Total														
6.	Kisan Ghosthi														
7.	Exhibition														
8.	Film Show														
9.	Method Demonstrations		10	40	7	47	5	3	8				45	10	55
10.	Farmers Seminar														
11.	Workshop														
12.	Group meetings														
13.	Lectures delivered as resource persons		48												
14.	Newspaper coverage		208												
15.	Radio talks		22												
16.	TV talks		27												
17.	Popular articles														
18.	Extension Literature		12												
19.	Advisory Services														
20.	Scientific visit to farmers field		112	336	66	402	34	12	46				370	78	44
21.	Farmers visit to KVK	NA	1115	956	31	987	125	3	128				1081	34	11
22.	Diagnostic visits	NA	172	217	42	259	58	14	72				275	56	33
23.	Exposure visits														
24.	Ex-trainees Sammelan														
25.	Soil health Camp														
26.	Animal Health Camp		3	156	7	163	12	5	17				168	12	18
27.	Agri mobile clinic		12	288	50	338	17	5	22				305	55	36
28.	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.	Farm Science Club Conveners meet														
30.	Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31.	Mahila Mandals Conveners meetings														
32.	Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grand Total		1739	2055	218	2273	264	51	315				2319	269	25

* Example for guidance only

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	Rice	HYVs	29.94	59,880	200

*An example for guidance only

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
SPICES					
VEGETABLES					
	Tomato	**Pusa ruby**	**20,000**	**5000**	**10**
	Cabbage	**Green express**	**10,000**	**10,000**	**10**
	onion	**prema**	**5,000**	**5000**	**10**
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

*An example for guidance only

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS						
BIO PESTICIDES						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						
GOAT	**Meat**	**Non Descript**	**35**	**200**	**40,000.00**	**15**
POULTRY						
FISHERIES						
Others (Specify)						

*** An example for guidance only**

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE					
2	GOAT	**Non Descript**	**35**	**200**	**40,000.00**	**15**

3	POULTRY					
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
Research papers			
Total			
Technical reports			
Popular articles			
Leaflets/folders	Commercial broiler Farming Care and management of piglet Pest management for onion INM in Rice Plant hoppers and their management Nutrient management in Rice Integrated Fish farming Improvement of farm save seed in rice Tie and dyeing of fabrics Protein energy malnutrition Role of molybdenum in pea Nutrient management of onion	Dr. S. Zeshmarani Dr. S. Zeshmarani Dr. M. Thoithoi N. Tomba Dr. M. Thoithoi N. Tomba Y. Bedajit S. Sumangal R.K Lembisana R.K Lembisana W. Jiten Singh Kh. Premlata	200 200 200 200 200 200 200 200 200 200 200 200
Total			2400

*** an example for guidance only**

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

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year
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)

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

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

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

3.11 Field activities

i. Number of villages adopted : 11
ii. No. of farm families selected : 192
iii. No. of survey/PRA conducted : 205

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :
1. Year of establishment :
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1.	Brudizzo Castrator	1	3800.00
2.	Poultry Vaccinator	1	550.00
TOTAL			4350.00

3. 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).
4.2.

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

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

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

5.0 LINKAGES

5.1 Functional linkage with different organizations

Sl.No	Name of organization	Nature of linkage
1	Directorate of Agriculture Govt. of Manipur (Host Institute)	Guidance
2	Directorate of Horticulture Govt. of Manipur	Technology &contribution for infrastructural development
3	Directorate of Vety & Animal Husbandry	Technology and supply of seed for fodder crop
4	Directorate of Sericulture, Govt. of Manipur	Technology Transfer
5	College of Agriculture, Central agricultural University, Imphal	Sharing knowledge and expertise in transfer of technology
6	ICAR Research complex for NEH Region, Umaim, Meghalaya	Knowledge Guidance, Technology, Improved machineriesetc
7	Central Institute of Fresh Water aquaculture (CIFA), Bhubaneshwar	Sharing Knowledge and expertise in transfer of technology
8	Central Institute of Fishery Technology 9CIFT), cochin	Sharing Knowledge and expertise in transfer of technology
9	IGNOU	Study Centre
10.	NYK	Conducting training programme

11	Mini Misssion-1 (Hort)	Contribution for infrastructural development
12	Others KVK	Discussion and sharing of experiences
13	NFDB (National Fisheries Development Board)	Sponsorong Training, Demonstration

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Potential of Duck cum Fish Farming	**1.4.11**	**DST**	**99,998.00**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Remarks
1	**Training and Demonstration**	**Technical Guidance & Support**	**Participated in Farmers fair &Scientist interaction**
2			

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
	Training prog., Field visit to farmers field underNHM	**Technological support to them& material support to them**	

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1	**Training and Demonstration**	**Financial Assistance**	**Successfully organized**

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	2nd week of June	3rd wk of Oct.- 2nd wk of Nov	4	HYV	Seed	29.94	65,714.00	59,880	The loss in income was due to reduction in yieldbecause of late planting of cropdue to unavailability of fuel & Fertilizerin time because of band and blockade for continous 63 days. Further there was high labour cost @ Rs.180/day
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Goat	Non descript local goat	Meat & Kid	35	24,500	40,000	Income is from sale of parents & kid
2							

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting DemonstrationUnit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/STParticipants		
				Male	Female	Total	Male	Female	Total

6.5 Utilization of hostel facilities

Accommodation available (No. of beds) :

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

	stay		stayed)	
Total				
Grand total				

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	SBI	Thoubal	1174667259

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2011
	Kharif 2010	Rabi 2010 –11	Kharif 2010	Rabi 2010-11	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2011
	Kharif 2010	Rabi 2010-11	Kharif 2010	Rabi 2010-11	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

Item	Released by ICAR	Expenditure	Unspent balance as on 1st April 2010
	Kharif 2007	Kharif 2007	
Inputs			
Extension activities			
TA/DA/POL etc.			
TOTAL			

7.5 Utilization of KVK funds during the year 2010 -11

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	14,00,000.00	64,00,000.00	64,00,000.00
2	**Traveling allowances**	2,00,000.00	2,00,000.00	2,00,000.00
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
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			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library	9,00,000.00	9,00,000.00	9,00,000.00
	TOTAL (A)	**75,00,000.00**	**75,00,000.00**	**75,00,000.00**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
	a. Furniture	-	-	-
	b. Computer with accessories (2 nos)	-	-	-
	c. Fax	-	-	-
	d. Photo copier	-	-	-
	e. Digital Camera	-	-	-
	f. LCD projector	-	-	-
	g. Furnishing of office Building	-	-	-
	h. Portable carp Hatchery	-	-	-
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	10,000.00	10,000.00	10,000.00
	TOTAL (B)			
C. REVOLVING FUND		-	-	-
	GRAND TOTAL (A+B+C)	**75,10,000.00**	**75,10,000.00**	**75,10,000.00**

N.B This KVK Thoubal received a sum of Rs.32,00,000 till 20th September 2010 from the Zonal Project Directorate Zone-III Umaim, Barapani for this current financial year 2010-2011

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2005 to March 2006	Nil	Nil	Nil	Nil
April 2006 to March 2007	1,00,000	Nil	Nil	Nil
April 2007 to March 2008	1,00,000	Nil	Nil	Nil
April 2008-March 2009	1,00,000	53,759	1,00,000	1,53,759
April 2009-March 2010	1,53,759	Nil	1,45,000	1,23,759
April 2010-March 2011	1,23,759	NIL	1,15,000	8,759*

*** Revenue and capital of revolving fund for the year 2010-11 will be calculated after sales of rice seeds & other crops and livestocks (i.e during the month of June 2011).**

-

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

8.1 Constraints

(a) Administrative : -
(b) Financial : -
(c) Technical :Due to draught condition prevailed during May to June 2009, cultivation of rice for seed production in KVK farm was delayed resulting to low yield of rice and income from seed production

District Profile - I

Include the details of

1. General census
2. Agricultural and allied census
3. Agro-climatic zones
4. Agro-ecosystems
5. Major and micro-farming systems
6. Major production systems like rice based (rice-rice, rice-green gram, etc.), cotton based, etc.
7. Major agriculture and allied enterprises

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

Include

1. Names of villages, focus area, target area etc.
2. Survey methods used (survey by questionnaire, PRA, RRA, etc.)
3. Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc.
4. Analysis and conclusions
5. List of location specific problems and brief description of frequency and extent/ intensity/severity of each problem
6. Matrix ranking of problems
7. List of location specific thrust areas
8. List of location specific technology needs for OFT and FLD
9. Matrix ranking of technologies
10. List of location specific training needs

Technology Inventory and Activity Chart - III

Include

1. 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
2. Inventory of latest technology available *

Sl. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/citation

PS * an example for guidance only

3. Activity Chart

Crop/Animal/Enterprise	Problem	Cause	Solution	Activity	Reference of Technology
				1.	1.

2. 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
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

Annexure – 1

1. General census : 2001 census
   i. Total population : 3,64,140
   ii. Male population : 1,82,250
   iii. Female population : 1,81,890
   iv. Density of population : 708 per square km

2. Agricultural and allied census

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Paddy			
	i) Pre kharif	5338	1,07,293.3	20.09
	ii) Kharif	25,000	7,,25,000	29.09
	iii) Improved	10,550	2,21,550	21.00
	iv) Local paddy	1000	14,000	14.00
2.	Maize	250	5500	22.00
3.	Kharif pulses	150	1125	7.50
4.	Kharif oilseeds	120	912	7.60
5.	Sugarcane	830	12,45,000	1,500,00
6.	Rabi pulses	2125	23,377	11.00
7.	Rabi oilseeds	2050	34,850	17.00
8.	Potato	825	80,025	97.00
9.	Cole crops	725	87,000	120.00
10	Chilli	350	2,800	8.00
11.	Pineapple	2,000	16,00,000	800.00
12.	Wheat	42	798	19.00

Category	Population	Production	Productivity
Cattle			
Crossbred	14166	47574 lit./day	18 lit./day
Indigenous	69784	37832 lit./day	4 lit./day
Buffalo	6079	2961 lit./day	3 lit./day
Sheep			
Crossbred			
Indigenous	0		
Goats	318	2845 kg	11 kg/sheep
Pigs	2540	18,650 kg	12 kg/goat
Crossbred			
Indigenous	35184	925 tonnes	75 kg/pig
Rabbits	3760	57.8 tonnes	52 kg/pig
Poultry			
Hens	62383		
Desi	122865	26,49,840 eggs/year	120 egg/year/hen
Improved	94500	40,36,340 eggs/year	220 eggs/year/hen
Ducks	94371	47,12,780 eggs/ year	130 eggs/year/hen
Turkey and others	611	12,220 kg	20 kg/turkey

2. Agro-climatic zones

S. No	Agro-climatic Zone	Characteristics
1.	Sub tropical plain zone	The agro-climatic zone of the Thoubal dist. May be characterized by diverse soil type ranging from clay, clay loam, silty loam to peat and muck soil, high rainfall and high RH with distinct temperature variation between summer and winter, wide cultural diversity with different cropping pattern from fruits (pine apple, banana, mango), Vegetables (cauliflower, cabbage, brinjal, tomato), paddy, pulses and oil seeds, fish and farm animals. The district has the following topographical structures:- upland, medium land and low land and shallow lakes.

3. Agro-ecosystems
4. Major and micro-farming systems

S. No	Farming system/enterprise
1.	Agriculture
2.	Agriculture-Horticulture
3.	Agriculture-Horticulture-Animal Husbandry
4.	Agriculture-Horticulture-Fishery
5.	Agriculture-Animal Husbandry-Fishery
6.	Agriculture-Fishery
7.	Fishery

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

6. Major agriculture and allied enterprises