PROFORMA FOR ANNUAL REPORT OF KVKS, 2011-12

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, AAU, Kokrajhar, Telipara, Gossaigaon, Dist Kokrajhar, Pin.: 783360. Assam	03669- 292704	-	kvkkokrajhar@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat- 785013, Assam	0376-2340029	-	kvk.aau@gmail.com

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

Name	Telephone / Contact				
	Residence	Mobile	Email		
Dr. Manoj Kumar Bhuyan	-	9435084843	bhuyanmk@yahoo.co.in		

1.4. Year of sanction: 1985

1.5. Staff Position (As on 31st March, 2012)

SI. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. M.K. Bhuyan	Programme Coordinator	Soil Science	37400/- - 67000/- G.P. 9000/-	50720/-	11-08- 2011	Permanent	Gen
2	Subject Matter Specialist	Mrs M. Chakrabarti	Subject Matter Specialist	Soil Science	15600/- - 39,100/- G.P. 6000/-	23610/-	07-11- 08	Permanent	Gen
3	Subject Matter Specialist	Mrs S. Brahma	Subject Matter Specialist	Horticulture	15600/- - 39,100/- G.P. 6000/-	23610/-	07-11- 08	Permanent	ST
4	Subject Matter Specialist	Mr. C. R. Deka	Subject Matter Specialist	Agriculture Extension	15600/- - 39,100/- G.P. 6000/-	23610/-	07-11- 08	Permanent	Gen

5	Subject Matter Specialist	Mr. M. U. Basumatary	Subject Matter Specialist	Agronomy	15600/- - 39,100/- G.P. 6000/-	23610/-	29-07- 09	Permanent	ST
6	Subject Matter Specialist	Dr. R. J. Deka	Subject Matter Specialist	Animal Science	15600/- - 39,100/- G.P. 6000/-	21600/-	06-08- 11	Permanent	OBC
7	Subject Matter Specialist	-	-	-	-	-	-	-	-
8	Programme Assistant	Dr. R. B. Kayastha	Programme Assistant	Animal Science	8000/ 35000/- G.P. 4900/-	12900/-	04-09- 11	Permanent	Gen
9	Computer Programmer	Mr. M. K. Haloi	Programme Assistant	Computer Application	8000/ 35000/- G.P. 4900/-	12900/-	13-09- 11	Permanent	SC
10	Farm Manager	Mr. P.K. Das	Farm Manager	Entomology	8000/ 35000/- G.P. 4900/-	12900/-	12-03- 12	Permanent	OBC
11	Accountant / Superintendent	Mr. J. Bora	Accountant / Superintendent	-	8000/ 35000/- G.P. 4900/-	12900/-	22-02- 12	Permanent	Gen
12	Stenographer	Mr. M. Dutta	Stenographer cum Computer Operator	-	5200/ 20200/- G.P. 2800/-	8000/-	02-04- 12	Permanent	Gen
13	Driver	Mr. S. Das	Driver	-	5200/ 20200/- G.P 2200/-	7400/-	22-02- 12	Permanent	Gen
14	Driver	Mr. S. Ali Sk.	Driver	-	5200/ 20200/- G.P 2200/-	7400/-	22-02 12	Permanent	Gen
15	Supporting staff	Mr. R.N. Narzary	Watchman	-	5200/ 20200/- G.P 2200/-	9160/-	01-11- 85	Permanent	ST
16	Supporting staff	Mr. D. Basumatary	Kitchen Attendant	-	5200/ 20200/- G.P 2200/-	9160/-	15-11 -85	Permanent	ST

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	0.50
3.	Under Crops	7.50
4.	Orchard/Agro-forestry	1.50
5.	Others (specify)	-

:

1.7. Infrastructural Development:

A) Buildings

		Source	Stage					
S	Name of	of		Complete			Incomp	lete
No.	building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1. A	Administrative Building (Old)	ICAR	1987-88	157.45	2.00	-	-	-
В	Administrative Building (New)	ICAR	-	332	86.83	Feb, 2011		Under construction
2.	Farmers Hostel	ICAR	1987-88	910.10	14.00 lakh	-	-	Damaged, need major repairing
3.	Staff Quarters (6)	ICAR	2003	132.76	5.98 lakh	-	-	Working
4.	Demonstration Units							
А	Poultry unit	RKVY	2010	45.00	2.19 lakh			Working
В	Piggery unit	RKVY	2010	145.00	6.06 lkah			Working
С	Goatery Unit	RKVY	2010		1.32 lakh			Working
D	Display & demonstration unit	RKVY	-	6 m in hexagonal shape	4.48 lakh			80% complete
E	Rice-fish vegetable farming unit	RKVY	2010	224 running meter	2.0 lakh			Working
F	Polyhouse	ATMA	2011		1.0 lakh			Working
G	Vermicompost unit	RKVY	2010	50.0	1.12 lakh			Working
5	Fencing	ICAR	1995	0.80km	4.92 lakh	-	-	_

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2006	490503.00/-	74114 km	Running
Tractor	2003	Transferred from RARS, Diphu	865 km	Running Condition
Power tiller (2)	2009	2,73,022.00/-		

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Amplifier	1988	3202.00	Repairable
Black Board	1987	150.00	Damaged
Calculator Machine	1986	252.00	Damaged
Camera	1987	5544.00	Repairable

Desktop Computer	2005	46206.00	Working
Digital Camera	2006	15080.00	Working
Digital Camera (Sony)	2010	19000.00	Working
Duplicating Machine (Manual)	1986	6708.26	Damaged
Duplicating Machine (Automatic)	1995	39050.00	Repairable
Fax Machine (Brother)	2010	15,190.00	Working
Film Rewinder	1988	179.20	Repairable
Flash Gun	1988	570.00	Damaged
Generator	1987	17360.00	Demaged
Horn	1988	358.00	Working
Line Connecting Transformer	1988	616.00	Damaged
Microphone	1988	1891.00	Repairable
Microphone Stand	1988	276.00	Working
Photophone OHP	1988	4256.00	Damaged
Photophone Superlite Sound Projector	1988	12152.00	Repairable
Projection Screen	1988	856.80	Working
Projector Roll (Cinema)	1988	196.00	Damaged
Projector Screen	1988	442.90	Working
Slide Projector	1988	4256.00	Damaged
Television Set	1988	10145.00	Damaged
Xerox Machine (KM – 1635 MFP Printer)	2007	50440.00	Working
Xerox Machine (Kilburn)	2010	101920.00	Working
Digital Inverter (Electra – EEDI 800)	2007	13540.00	Working
LCD Projector	2010	98331.00	Working
UPS (Uniline-800VA FBLI UPS)	2010	5964.00	Working
Mechanized Grass Cutter	2009	28000.00	Working
Multi purpose power weeder	2009	42078.00	Working
Power paddy weeder	2009	36254.00	Working
Rice transplanter	2009	188198.00	Working
Earth Augar	2009	56749.00	Working
Water pumps (3 nos.)	2009 & 2010	30.000.00	Working
Seed cleaner	2009	311012 00	Working
Rotavator (2 nos.)	2000	95805.00	Working
Puddler	2000	25896.00	Working
Chaff cutter	2003	15496 00	Working
Voltage stabilizer	2003	2000 00	Working
Poly Sealing Machine	2012	2838.00	Working

Desktop Computer	2010	27547.00	Working
Balance	2011	9591.00	Working
BOD Incubator	2011	-	Working
Horizontal Leminar Flow	2011	-	Working
Ph meter	2011	2270.00	Working
Autoclave	2011	93638.00	Working
Hot Air Oven	2011	36888.00	Working
Incubator	2012	-	Working
Laminar Flow	2012	-	Working
Refrigerator	2012	15990.00	Working

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

SI.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.				
2.				

* Attach a copy of SAC proceedings along with list of participants 2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Agri + Horti + Dairy Cow + Goatery + Poultry + Duckery
2	Agri + Horti + Dairy Cow + Goatery + Piggery + Poultry + Duckery + Pigeon + Fishery
3	Agri + Horti + Dairy Cow + Piggery + Poultry
4	Agri + Horti + Dairy Cow + Buffalo + Piggery + Poultry + Duckery + Pigeon
5	Agri + Horti + Dairy Cow + Goatery + Poultry + Duckery + Fishery

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

S. No	Agro-climatic Zone	Characteristics
1.	Lower Brahmaputra Valley Zone (LBVZ) of Assam	The climate is humid sub-tropical in nature characterised by warm – humid summer cool – dry winter. The monsoon months (June-September) are wet receiving 65-70% of the total rainfall while the winter months (December-February) remain virtually dry. The mean maximum and minimum temperature varies from 33- 38°C and 8-10°C respectively.
	Agro ecological situation	
a.	Foot hills old mountain valley	Foot hills of Bhutan in northern part of the district. The soil is loamy to clay, rich in organic matter
b.	Flood free riverine old alluvial plain	Plain areas, sandy to sandy loam soil free from flood
С.	Flood prone riverine alluvial plain	Flood prone areas affected by river Champabati, Gaurang, Saralbhang and Sankosh
d.	Hills and hillocks	Hills and Hillocks areas, red clay soil
e.	Beels	Marshy/Swampy land, water logging low lying areas and covered with

	water hyacinth

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Alfisols (mountain valley)	Soil is loamy to clay and built up alluvial materials washed down from the hills slope. Medium to heavy textured soil	93658
2	Inceptisols (old alluvium)	Soils are old riverine alluvial type. Sandy loam to loamy soil and free from flood	162962
3	Entisols (recent alluvium)	Soils are recent riverine alluvial plain. Sandy or loamy sand and light textured soil	20758
4	Ultisols (laterised red)	Old alluvial soils are found. The surface soils are generally red to reddish brown and acidic in nature	37824

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

S. No	Crop	Area (ha)	Production (Qtl) Productivity (Qtl /ha)	
1	Autumn Rice	28744	24649	8.71
2	Winter Paddy	54496	69621	12.97
3	Summer Paddy	8110	15955	19.67
4	Maize	1150	598	5.20
5	Wheat	2123	2481	11.68
6	Black Gram	949	545	5.75
7	Green Gram	100	49	4.89
8	Lentil	826	403	4.88
9	Pea	340	180	5.31
10	Rapeseed and Mustard	18051	10229	5.67
11	Niger	995	496	5.00
12	Sesamum	710	421	5.92
13	Linseed	419	207	4.93
14	Jute	4953	57158	20.77
15	Mesta	1211	6621	9.85
16	Banana	1271	20165	158.66
17	Pineapple	311	4652	149.60
18	Papaya	383	5753	150.22
19	Orange	2	18	92.49
20	Assam Lemon	188	1380	77.40
21	Jackfruit	1513	10820	96.93
22	Arecanut	1991	23924 nos	120 no/plant/year
23	Coconut	435	4058550 nos	80 no/plant/year
24	Potato	2721	30139	110.77
25	Colocasia	1514	16654	110.00

26	Tapioca	ca 736 3522		47.85
27	Sweet Potato	361	1373	38.04
28	Kharif Vegetables	2971	45097	151.80
29	Rabi Vegetables	4083	84648	207.31
30	Chilli	718	514	7.16
31	Turmeric	403	315	7.81
32	Ginger	615	4569	74.30
33	Onion	348	974	28.00
34	Black Pepper	44	73	16.50
35	Coriander	369	343	9.20

2.5. Weather data

Month	Rainfall (mm)	Tempe	Relative Humidity (%)	
		Maximum	Minimum	
April, 11	197.0	29.4	24.7	90.0 64.2
May, 11	365.8	29.4	25.2	90.6 74.3
June, 11	430.4	31.9	26.7	91.2 74.0
July, 11	989.0	30.7	26.0	91.3 80.7
August, 11	437.8	31.5	26.6	91.0 77.0
September, 11	281.8	30.8	26.3	90.5 76.0
October, 11	13.6	31.7	24.8	90.1 68.2
November, 11	0.0	27.4	21.0	88.4 61.4
December, 11	5.2	25.0	15.2	90.1 57.0
January, 12	2.2	21.6	23.9	93.4 61.0
February, 12	11.6	25.1	13.6	90.6 51.8
March, 12	6.4	29.0	22.4	89.9 40.4

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

Category	Population	Production	Productivity
Cattle	· · · · · · · · · · · · · · · · · · ·		· · ·
Crossbred	536		6 ltrs/day/ Animal
		15,22,156 ltrs (Milk)	_
Indigenous	353253		750 ml/day/Animal
Buffalo	14983		1.5 ltrs/day/Animal
Sheep			
Crossbred	-	-	-
Indigenous	13686		8 kg/ Animal
		14,84,350 kgs (Meat)	
Goats	159979		5 kg /animal
Pigs	98970		
Crossbred	32927		60 kg /Animal
Indigenous	66043		30 kg / Animal
Rabbits			
Poultry			
Hens	189999		160 Nos./ year/Bird
		4,51,800 Nos.	
Desi			
Improved			
Ducks	132610		120 Nos. /year/ Bird
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish			
Marine			

Inland	3197.87 ha	30315.80 Qt	948.00 kg / ha
Prawn			
Scampi			
Shrimp			

Name of Name of the Major crops & SI.No. Taluk Major problem identified Identified Thrust Areas the block village enterprises i. Low productivity of Matiajuri, Oilseeds and Pulses due i. Popularisation of HYV of Rangapara, Boro Rice and early to non-adoption of Summer and Boro rice Padmabil, Ahu, Lentil, Pea recommended varieties Introduction of high Joyma, ii Linseed, Rapeseed ii. Production problem in Kusumbil, yielding Pulse and Oilseed Vegetables, Potato Potato Bhumka. varieties Flowers Chakma. iii. Commercial potato and Bashbari, fruit production Babubil, Gossaigaon Thuribari. Bhawraguri, Natunpara, Guwabari, Sagunhara, Choto Binnyakhata, Gambaribil, Kamalsing i. Poor yield in Oilseeds Jacobpur, i.Popularisation of and Pulses Fwilaguri, improved varieties Rice, Maize, of ii. Pest and Disease Majadabri, Oilseed and Pulse Rapeseed, Niger, problem Kamandanga, Wheat, Integrated Pest and Haripur, iii. Low productivity due Vegetables. **Disease management** Hatidhura Tamahat, to rearing of local breed Goatery Improvement of iii Simaltapu, of goat productivity of Goatery Grahampur, iv. Sandy and light 1 iv. Soil health and fertility Srirampur, textured soil Palashkandi management Ballamguri, Malaguri, i. Low volume - high value Bhadiaguri, Pre Post and i. Vegetables Ballimari, Production problem ir Rice. Maize, Jaymaguri, ii. Soil health and fertility Vegetables Vegetables, Gossaigaon Dawaguri, management ii. Poor fertility status o Rapeseed, Lentil, Goladangi, Commercial fruit soil iii Pea, Buckwheat, Bajugaon, production and processing Niger Beekeeping iii. Lack of scientific Jaraguri, Popularisation knowledge and skills iv. of Maktaigaon, about rearing of honey Beekeeping Bhomrabil, bee Saraibil, Mothambil, Kachugaon Nasrabil, Borobadha, Burichattam, Haoriapet, Hashraobari, Hatigarh, Garufella, Sapkata, Gakulkata, Polashguri, Kachugaon

2.6 Details of Operational area / Villages (2011-12)

2	Kokrajhar	Titaguri	Debargaon, Narabari, Gendrabil, Kunthaibari, Titaguri, Sukanjhara, Chandrapara, Simborgaon, Uttar Patgaon, Amguri, Jharbari, Ghoramari, Bhumki, Dakhin Karigaon, Dawkibari, Kakrighola, Nayekgaon, Bandarmari, Harighola, Harigaon, Bamungaon, Diplaibil, Salakati, Bandarchara, Chautaki	Piggery, Poultry, Aqua-farming, Sericulture, Agro- forestry, Winter vegetables,	 i. Low production of meat and egg ii. Fish seed formulation, feeding technology and pond management iii. Poor quality and low yield of worm due to traditional rearing method iv. Dearth of scientific knowledge regarding agro-forestry plantation 	 i. Rearing of Pig and Poultry ii. Integrated Fish farming iii. Rearing of Eri, Muga and Silk worm iv. Agro-forestry plantation technology v. Spice production and value addition
		Dotma	Angthihara, Simlaguri, Batabari, Dotma, Barshijhora, Umanagar, Baldiapathan, Fakiragram, Saktiashram, Chithilaghop, Athiabari, Ghoshkata, Sikargaon, Laudanga, Dangarkuti, Bhalukmari, Puthimari, Lakhnabari, Ramfalbil, Serfanguri	Dairy, Piggery Mushroom, Fruit preservation,Tailoring and Stitching	i. Low productivity and management problem in Dairy and Piggery ii. Lack of scientific knowledge about mushroom production iii. Storage problem of fruit iv. Lack of technical knowledge and skills regarding tailoring, stitching and knitting	i.Improvement of productivity of Dairy ii. Rearing of Pig iii. Production techniques of Mushroom iv. Processing of fruit v. Tailoring, Knitting and Embroidery techniques for women
3	Parbatjhora	Rupsi	Kajigaon, Manglajhora, Tipkai, Molandubi, Kurshakati	Ahu, Boro rice, Rapeseed, Potato, Summer vegetables	 i. Low yield of Rice due to growing of local varieties ii. Production and management problem of vegetables and spices iii. Pest and Disease problem 	i. Popularisation of HYV of Summer, Sali and Boro rice ii. Low volume – high value Vegetables iii. Spice production and value addition iv. Integrated Pest and Disease management

<u>3. TECHNICAL ACHIEVEMENTS</u>

3. A. Details of target and achievements of mandatory activities by KVK during 2011-12

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			e, Other
	Number of OFTs Number of Farmers		Numt	per of FLDs	Numbe	r of Farmers		
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	2	2	20	13	4	3	50	3
Horticulture	2	2	10	6	2	5	10	6
Livestock	2	1	8	4	-	5	-	5
Plant protection	2	-	10	-	2	-	10	-
Soil science	2	3	15	12	2	9	15	10
Others								
Multi Discipline	-	-	-	-	-	19	-	186

Training (inc ca	Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)						Extension Activities					
	3					4						
Number of Courses			Nu Par	Imber of ticipants	Numbe	r of activities	Number of participants					
Clientele	Targets	Achievement	Targets	Achievement	Targets Achievement		Targets	Achievement				
Farmers	67	41	1675	1093	748	801	2835	1472				
Rural youth	15	5	375	128								
Extn.	8	4	200	103								
Functionaries												

Seed	d Production	(Qt.)		Planting material (Nos.)					
Torgot	<u>5</u>	overant		Tor	to to to	Achievement			
	ACII					Achievement			
Sall rice (Ranjit) 45.0)q 45.6	þq	1	sanana (iviaidi	nog) 1000 nos	400 nos			
Sali Rice (Swarna Mashuri	i) 20.0 q 🛛 -			Jack Fruits (Id	ocal) 200 nos	-			
Boro rice (Swarnab) 20	Boro rice (Swarnab) 20.0 q				ew) 100 nos	1500 nos			
Ahu rice (Luit) 20.0 q				Ginger (lo	cal) 1.0 q	1.8 q			
Buck Wheat (Local) 15.0 q 9.2 q				Turmeric (I	ocal) 1.5 q	0.60 q			
Rape seed (TS-36) 3.	_{0 q} 0.45	q	Brin	al (Pusa Purp	le Long) 1000	700 nos			
Niger (NG-1) 3.0 q	0.60	q	Brin	al (Pusa Purp	le Cluster) 1000	700 nos			
Black gram (PU-19) 2	- p0.		Cab	bage (Golden	acre) 1000 nos	500 nos			
Lentil (PI-406) 2.0 c	406) 2.0 q - Cauliflowe nos			liflower (Pusa	snowball) 1000	500 nos			
				Mussenda (lo	ocal) 500 nos	200 nos			
				Tube rose (sir	ngle) 500 nos	-			
			Ma	arigold (Pusa 500	Narangi Ganda) nos	-			
				Areca Nut	500 nos	200 nos			

3.B. Abstract of interventions undertaken

						Interventions	(if any)		
N o	Thrust area	Crop/ Enterp rise	ldentified Problem	Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1	Populariza tion of HYV of Sali & summer rice	Rice	Low yield of traditional glutinous rice variety	Cultivation of glutinous rice	HYV of Boro rice (Swarnav)	Scientific cultivation practices of glutinous rice and summer rice	-	Field visit, Field day & demonstratio n	Seeds of HYV of glutinous & boro rice, fertilizers and pesticide s
2.	Pulse and oilseeds production	Lentil	Mono cropping due to late harvest of Sali Rice	Utera cropping of lentil	HYV of Toria (TS-36)	Scientific cultivation practices of lentil and toria	-	Field visit, Field day	Seeds of HYV of lentil & toria, fertilizers and pesticide s
3.	Fruit and tuber production	Fruit and tuber	Lack of knowledge and awareness about denavelling practices in banana resulting in low bunch weight. denavelling practices	Enhanceme nt of bunch size in banana by denavelling and post- shooting feeding of N, K and S through distal stalk and rachis	Cultivation of potato using TPS	Training of the beneficiaries on scientific production technology of TPS and banana	-	Field visit, Field day	Seeds of TPS, Agro- Chemical and fertilizers
4.	Vegetable and spice production	Vegeta bles and spices	Low yield of local varieties of French bean & turmeric	Varietal evaluation of french bean variety (RCMFB)	Performanc e of Turmeric variety, Megha Turmeric-1	Training of the beneficiaries on scientific production technology of French bean and Turmeric	-	Field visit, Field day	Seeds of French bean, turmeric, Agro- Chemical and fertilizers
5.	Meat production	Rabbit	Gap between demand & supply of meat	Studies on the productive performance of Broiler Rabbit in backyard condition in Kokrajhar district	-	-	-	Field visit	

6.	Insect-pest manageme nt	Jute	Yield loss due to nematode infection in Jute and pests problems in Rice	Managemen t of root knot nematode (M. incognita) in Jute	Large scale adoption of Biocontrol techniques in rice	Scientific management of nematode infection in jute and biocontrol techniques in rice	-	Field visit, Field day	Jute and rice seed, biocontro l agents, nematici de and fertilizers
7.	Nutrient manageme nt	Lentil,	Low yield of lentil due to potash deficiency in soil	Potash managemen t in lentil	FLD on vermicomp ost production technology-	Scientific potash management in lentil and vermicompos t production technology -	-	Field visit, Field day	Seeds of lentil and fertilizers Earthwor ms (Eisenia foetida)
8.	Nutrient manageme nt	Boro rice	Low yield of boro rice due to lack of integrated nutrient management	INM in boro rice	FLD on Integrated nutrient managemen t in Rapeseed	Integrated nutrient management in oilseed crops- Rapeseed and mustard	-	Field visit, Field day	Seeds of rapeseed & boro rice, fertilizers
9		Rapese ed	Low yield of Rapeseed due to lack of boron management	Boron managemen t in rapeseed	-	-	_	Field visit Group discussion,	Seeds of rapeseed & fertilizers

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	-	-	-		Varietal evaluation of French bean (Var- Arka Anup)	Enhancement of bunch size in banana (var- Malbhog) by denavelling and application of 7.5 g urea + 7.5 g sulphate of Potash + 500 g fresh cowdung and 100 ml water	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	Integrated Nutrient Management in Boro Rice	Boron management in rapeseed	Potash management in Lentil	-	-	-	-	-	-	-
Integrated Farming System	Cultivation on Glutinous Rice	-	Utera cropping of Lentil with Sali rice	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery	-	-	-	-	-	-		-	-	-

reduction										
Farm	-	-	-	-	-	-	-	-	-	-
machineries										
Value	-	-	-	-	-	-	-	-	-	-
addition										
Integrated	-	-	-	-	-	-	-	-	-	-
Pest										
Management										
Integrated	-	-	-	-	-	-	-	-	-	-
Disease										
Management										
Resource	-	-	-	-	-	-	-	-	-	-
conservation										
technology										
Small Scale	-	-	-	-	-	-	-	-	-	-
income										
generating										
enterprises										
TOTAL	2	1	2	-	1	1	1	1	1	10

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	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	Studies on the productive performance of Broiler Rabbit in backyard condition in Kokrajhar district	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	1	-	-

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	-	-	-	-	-	-	-	-

11). Results of On Farm Trials

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researche r	B.C . Ratio
Potash management in Lentil (Var- PL- 406)	Low yield of lentil due to potassium deficiency of soil	Application of 15 kg K ₂ O/ ha	5	Grain yield= 1050 kg ha ⁻¹	Farmers expressed satisfacti on with the result	The technolog y is suitable for this region	2.9:1
Boron management in rapeseed	Low yield of rapeseed due to boron deficiency of soil	Application of Boron @10 kg/ha	3	Grain yield= 893 kg ha ⁻¹	Farmers were	The technolog y is useful. Needs further assessmen t	3.03:1
Integrated Nutrient Management in Boro Rice	Nutrient mining & consequent soil degradation	Organic manure 11t/ ha + P_2O_5 @ 10kg/ha +K_2O @ 40 kg/ha + Azospirillum @ 4kg/ ha +PSB @ 4 kg/ha	3	-	-	-	In progress
Varietal evaluation of French bean	Low yield of French bean due to adoption of local variety	High yielding variety of French bean var- Arka Anup	3	-	-	-	In progress
Enhancement of bunch size in banana (var- Malbhog) by denavelling	Low bunch weight of banana due to non adoption of denavelling practice	Application of 7.5 g urea + 7.5 g sulphate of potash + 500 g fresh cowdung in 100 ml water and applied to the denavelled end of banana bunch and covered with polythene bag	3	_	-	_	In progress

Cultivation on Glutinous Rice	Low yield due to use of local glutinous variety	Use of HYV of Glutinous (Aghoni)	10	3900 kg ha ⁻¹	Farmers were satisfied	The technolog y is viable	1.34:1
Uttera cropping of Lentil with Sali rice	Mono cropping due to late harvest of Sali Rice	Improved management practices Relay crop	3	750 kg ha ⁻¹	Farmers were highly satisfied with the result	The technolog y is viable for this region	1.82:1
Studies on the productive performance of Broiler Rabbit in backyard condition in Kokrajhar district	Gap between demand & supply of meat	Backyard management	4	-	-	-	In progress

On Farm Trials Conducted by KVK, Kokrajhar



INM in Boro Rice



Varietal Performance of French Bean



Potash Management in Lentil

Boron Management in Rapeseed

Enhancement of bunch size in banana

Rice based relay cropping of lentil

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 2011-12 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Technology demonstrated	Н	orizonta	al spread of	technol	ogy	
			No. villages	of	No. farmers	of	Area ha	in
1	Olitorius jute	15:12.5: 25 kg (N:P:K)/ ha + Azotobacter @ 50g/ kg seed+PSB 50g/ kg seed	5		10		1.33 h	а
2	Blackgram	15:35:15 kg (N:P:K) / ha	6		10		1.33 h	а

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

91			Tachpology	Socon	Aroo	(ba)	No.	of farme	rs/	Reasons for	Farming situation (Rf/	Statu	ıs of soil (K	(g/ha)
No.	Crop	Thematic area	Demonstrated	and year	Alea	(114)	der	nonstratio	on	achievement	altitude, etc)	N	Р	К
					Proposed Actual SC/ST C abi 1 1 2 3		Others	Total						
1	Rapeseed	INM	45:22.5:22.5 kg (N:P:K)/ ha & biofertilizers & Azotobacter & PSB	Rabi 2011	1	1	2	3	5	-	Irrigated	390	15.2	176.6
2	Potato (TPS)	Varietal Evaluation	TPS (92PT- 27)	Rabi, 2011-	3	3	1	2	3	-	Rainfed	349.6 250.88	20.7 45.2	218.60 130.20
				12								416.4	22.4	114.60
3	Turmeric	Varietal	Megha	Kharif,	3	2	2	-	2	-	-	456.23	27.6	210.51
		Evaluation	Turmeric -1	2011- 12								250.88	45.20	130.20
4	Rapeseed	Popularization of HYV of Oilseeds	HYV of Rapeseed (TS-36)	Rabi, 2011- 12	1 ha	0.40 ha	3	-	3	NA	Irrigated	-	-	-

Performance of FLD

					Vield	Data on p in relat techno	arameter tion to ology		Econom	ic Impact		Technical Feedback on the Demonstrated	Farmers' Reaction on specific Technologies
SI.No.	Crop	De	mo. Yield (Qtl/ha	of local	demon: (Yield, I	strated Disease	Average Net F (Rs.	Return (Profit) /ha)		B.C. Ratio	Technology	
					Qtl./ha	incidence specifiee Progra	e, etc. as d in FLD amme)	Demo	Local Check	Demo	Local Check		
-		Н	L	Α		Demo	Local						
1	2	7	8	9	10	12	13						
1	Rapeseed	11.5	9.5	10.5	7.5	10.5	7.5	31833.00	22320.00	3.1	2.3	Satisfactory performance of the technology	Farmers expressed satisfaction with the performance
2	Potato (TPS)	350	150	250	150	250 q/ha	150 q/ha	109500.00	58175.00	1:4.59	1:1.94=1:1.2	The demonstrated technology showed good result with highest B:C ratio over the local practice	Farmers expressed satisfaction with the demonstrated technology
3	Rapeseed	12	9	10.37	7.2	10.37 q /ha	7.2 q/ha	33600.00	23040.00	2.9:1	1.7:1	Irrigation is required under late sown condition	Farmers were satisfied with the newly introduced HYV of rapeseed

Extension and Training activities under FLD

SI.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	7	09/01/12	35	-
			22/02/12	37	
			16/03/12	40	
			30/03/12	41	
			15/03/12	30	
			21/11/11	85	
			06/02/12	100	
2	Farmers Training	2	3.12.11	26	-
			11.6.11 to 12.6.11	28	
3	Media coverage	2	13.1.12 & 17.1.12	-	-
4	Training for extension functionaries	-	-	-	-

Details of FLD on Enterprises (i) Farm Implements c.

Name of the	crop	No. of	Area	Performance parameters /	* Data on par relation to te demonst	ameter in chnology rated	% change in the	Remarks
implement		lanners	(na)	indicators	Demon.	Local check	parameter	
-	-	-	-	-	-	-	-	-

(ii) Livestock Enterprises

Enterprise	Breed	No. of	No. of animals,	Performance parameters /	* Data on par relation to te demonst	ameter in chnology rated	% change in the	Remarks
		lamers	etc.	indicators	Demon.	Local check	parameter	
Poultry	Vanaraja	5 nos	100 nos	Growth rate on backyard condition	-	-	-	In- progress

(iii) Other Enterprises

Enterprise	Variety/	No. of	No. of	Performance parameters /	Data on par relation to te demons	ameter in echnology trated	% change in the	Remarks
	breed/Species/others	laimeis	Units	indicators	Demon.	Local check	parameter	
Mushroom	-	-	-	-	-	-	-	-
Apiary	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Vermi compost	Eisenia foetide	5	5	i)Vermicompost	8q /tank		-	-

	yield	Siz(6'x8'x2.	General	
		5')	compost	
	ii)Duration of	2 months	- 4	
	composting		months	
	iii)Nutrient			
	content	1.3%	0.5%	
	N	0.8%	0.3%	
	Р	1.5%	0.6%	
	K			

Front Line Demonstration Conducted by KVK, Kokrajhar

FLD on INM in Rapeseed

FLD on Rapeseed

FLD on Vermicompost

FLD on Potato Cultivation using TPS

	N	o. of co	ourses]	Partici	ipants	5							
Thomatic area						Otl	ners					SC	/ST					T	otal			Grand
Thematic area	On	Off	Total	M	ale	Fer	nale	To	otal	M	ale	Fer	nale	To	otal	M	ale	Fe1	nale	T	otal	Total
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS & F	FARM	WON	1EN																			
I. Crop Production													•						•			
Weed Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Resource	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conservation																						
Technologies																						
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diversification																						
Integrated Farming	-	1	1	-	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	25
Water management																						
Seed production	-	1	1	-	7	-	-	-	7	-	18	-	-	-	18	-	25	-	-	-	25	25
Nursery								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
management																						
Integrated Crop	-	5	5	-	6	-	-	-	6	-	97	-	24	-	121	-	103	-	24	-	127	127
Management																						
Fodder production	-	1	1	-	6	-	-	-	6	-	21	-	-	-	21	-	27	-	-	-	27	27
Production of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low	-	4	4	-	50	-	-	-	50	-	52	-	-	-	52	-	102	-	-	-	102	102
volume and high																						
value crops																						
Off-season	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
vegetables																						
Nursery raising	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
like Broccoli																						
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drotoctivo		_	-	1_			<u> </u>	-		_	1.					<u> </u>	<u> </u>			_		
cultivation (Groon			_														-				-	-
cultivation (Green	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1

Achievements on Training both On and Off Campus (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :

		1	1		1	1	1		1	1	r		1	1	1		1		1	r		
Houses, Shade																						
Okra &	-	1	1	-	5	-	-	-	5	-	22	-	2	-	24	-	27	-	-	-	27	27
Curbitaceous crops		1	1		0				0		22		2		21		21				21	21
b) Fruits					L				L						1		1					1
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 Plan	its	1		r	1	r	r	r	1		1	r	1			r	1	r				
Nursery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management																						
Management of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
potted plants																						
Export potential of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ornamental plants																						
Propagation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
techniques of																						
Ornamental Plants																						
d) Plantation crops																				1		
Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
technology																						
Brocossing and	_	_	_	_	_	_	_	_	_	_	_	_		+	_	_	_	_		_	_	_
value addition	-	-	-							-					-	-	-			-		-
a) Tuber crone	1	I		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	1
Production and	-	1	1	-	2	-	-	-	2	-	94	-	-	-	94	-	26	-	-	-	26	26
Management		T	1		4				4		24				24		20				20	20
management										1	1			1	1		1			1		

technology I		1	1	1	r		1		1	1	r	1	1	1	1	1	r	1	1		1	1	1
Processing and value addition · <t< td=""><td>technology</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	technology																						
D Spices Production and Management 1 1 1 8 - - 8 - 18 - 3 - 21 - 26 - 3 - 21 - 26 - 3 - 29 20 <th20< th=""> 20 20</th20<>	Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology - 1 1 - 8 - 18 - 3 - 21 - 26 - 3 - 29 29 Production and Management - - - - - - - - - - - 21 - 26 - 3 - 29 29 Processing and value addition -	f) Spices						1																
Management technology Imagement is addition Imagement is additis addition Imagement is addition	Production and	-	1	1	-	8	-	-	-	8	-	18	-	3	-	21	-	26	-	3	-	29	29
technology Image: state of the state	Management			_		-				- -				-						-			
Processing and value addition · <t< td=""><td>technology</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	technology																						
value addition Image: constraint of the cons	Processing and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants Nursery · <td>value addition</td> <td></td>	value addition																						
Nursery management ·	g) Medicinal and A	romat	ic Plan	its																			
management Imagement Imagement <thimagement< th=""> Imagement <thimagement< th=""></thimagement<></thimagement<>	Nursery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management .<	management																						
management technology n	Production and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	management																						
Post harvest technology and value addition ·<	technology																						
technology and value addition Image of the second seco	Post harvest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
value addition Image: constraint of the constraint of th	technology and																						
III Soil Health and Fertility Management Soil fertility management · 5 5 · 59 · 6 · 65 · 61 · 1 · 62 · 120 · 7 · 127 127 127 Soil and Water ·	value addition																						
Soil fertility · 5 5 · 59 · 6 · 65 · 61 · 1 · 62 · 120 · 7 · 127 127 127 soil and Water · </td <td>III Soil Health and</td> <td>Fertili</td> <td>ty Ma</td> <td>nagement</td> <td></td> <td>1</td> <td>1</td> <td>r</td> <td>r</td> <td>r</td> <td>r</td> <td>r</td> <td>r</td> <td>r</td> <td></td> <td></td> <td>r</td> <td></td> <td>r</td> <td>r</td> <td>r</td> <td>1</td> <td>1</td>	III Soil Health and	Fertili	ty Ma	nagement		1	1	r	r	r	r	r	r	r			r		r	r	r	1	1
management Imagement	Soil fertility	-	5	5	-	59	-	6	-	65	-	61	-	1	-	62	-	120	-	7	-	127	127
Soil and Water ·	management																						
Conservation Image of the state Image of the st	Soil and Water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient - 4 4 - 86 14 - 100 - 5 - - 5 - 91 - 14 - 105 105 Production and use of organic inputs - 2 2 - 57 - 4 - 61 - - - 57 - 4 - 61 61 - - - 57 - 4 - 61 61 - - - - 57 - 4 - 61 61 - - - - 57 - 4 - 61 61 - - - - 57 - 4 - 61 61 61 61 -	Conservation																						
Management Imagement	Integrated Nutrient	-	4	4	-	86		14	-	100	-	5	-	-	-	5	-	91	-	14	-	105	105
Production and use of organic inputs 2 2 - 57 - 4 - 61 - - - - 57 - 4 - 61 61 61 61 - - - - 57 - 4 - 61<	Management			-																			
of organic inputs Image: Constraint of the constraint of	Production and use	-	2	2	-	57	-	4	-	61	-	-	-	-	-	-	-	57	-	4	-	61	61
Management of Problematic soils···	of organic inputs																						
Problematic soils I <thi< th=""> I <thi< th=""></thi<></thi<>	Management of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops -	Problematic soils																						
Indeficiency in crops Image: Constraint of the constrain	Micro nutrient	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nument Ose I <thi< th=""> I <thi< th=""> <thi< <="" td=""><td>Nestrient Use</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thi<></thi<></thi<>	Nestrient Use																						
Efficiency I <thi< th=""> <thi<< td=""><td>Nutrient Use</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></thi<<></thi<>	Nutrient Use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$\begin{bmatrix} \text{Soft and water} & 1 & - & 1 & 23 & - & 2 & - & 25 & - & - & - & - & - & - & 23 & - & 2 & - & 25 & - & 25 \end{bmatrix}$	Efficiency Soil and Water	1		1	0.0		0		07								0.0		0		07		
Tasting	Soli and water	1	-	1	23	-	Z	-	29	-	-	-	-	-	-	-	23	-		-	20	-	25
It Sung	IV Livesteek Produ	otion	and M	anagamar																			
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Dairy Management				n .	1				1		7		17	1.	94		0		17		95	95
Daily Management - 1 1 1 1 1 20		-	1	1		15	90	0	90	54		1	9	1	9	4	0	0	20	10	20	20 50	20
1 outry 40 20 9 20 94 1 24 1 1 24 10	Management	1	2	2		40	40	9	20	04		5	4	T	4	4	0	40	50	10	50	90	00
Printingenent 1 2 3 - - - - 60 - 24 - 102	Piggery	1	2	5	-	-	-	-	-	-	-	69	_	34	-	103	-	69	_	3/	-	103	103
Management - 4 4 - 105 -	Management	-	4	4								00		04		100		05		04		100	100

Rabbit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management																						
Disease				-	-	-	-	-	-	-	27	-	-	-	27	-	27	-	-	-	27	27
Management	-	1	1																			
Feed management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
quality animal																						
products																						
Goatery	-	1	1	-	12	-	-	-	12	-	14	-	-	-	14	-	26	-	-	-	26	26
Management																						
V Home Science/W	omen	empov	verment																			
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	-	-	-	- 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
activities for																						
empowerment of																						
rural Women																						
Location specific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
drudgery reduction																						
technologies																						
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and child	-	-	† -	-	-	l -	l -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
momentana ennu	1		1	1		1	1		1	1	1		1	1	1			1	1		1	1

			1		1								1		1					1		
care																						
VI Agril. Engineeri	ng	1	1												1						1	1
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	n		•												1							1
VII Plant Protection Integrated Pest	n -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII Plant Protection Integrated Pest Management	n -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII Plant Protection Integrated Pest Management Integrated Disease	n - -	- 1	- 1	-	- 27	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management	n - -	- 1	- 1	-	- 27	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of	n - -	- 1	- 1	-	- 27	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases	n - -	- 1 -	- 1	-	- 27 -	-	-	-	- 27 -	-	-	-	-	-	-	-	- 27	-	-	-	- 27	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio	n - - -	- 1 -	- 1	-	- 27 -	-	-	-	- 27 -	-	-	-	-	-	-	-	- 27 -	-	-	-	- 27 -	- 27 -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and	n	- 1 -	- 1	-	- 27 -	-	-	-	- 27 -	-	-	-	-	-	-	-	- 27 -	-	-	-	- 27 -	- 27 -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides	n	- 1	- 1	-	- 27	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27 -	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries	n	- 1	- 1	-	- 27 -	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27 	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish	n	- 1 -	- 1 -	-	- 27 - -	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27 	- 27
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming	n	- 1 -	- 1 - -	-	- 27 - -	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27 	- 27 - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and	n	- 1 -	- 1 -	-	- 27 - -	-	-	-	- 27 - -	-	-	-	-	-	-	-	- 27 - -	-	-	- - -	- 27 - -	- 27 - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery	n	- 1 - -	- 1 - -	-	- 27 - -	-	-	-	- 27 - -	-	-	-	-	-	-		- 27 - -	-	-	-	- 27 	- 27 - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management	n	- 1 -	- 1	-	- 27 - -	-	-	-	- 27	-	-	-	-	-	-	-	- 27	-	-	-	- 27	- 27 - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and	n	- 1 -	- 1 - -	-	- 27 - - -	-	-	-	- 27 - - -	-	-	-	-	-	-	-	- 27 - - -	-	-	- - -	- 27 - - -	- 27 - - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing	n	- 1 - -	- - - -	-	- 27 - - -	-	-	-	- 27 - - -	-	-	-	-	-	-	-	- 27 - - -	-	-	-	- 27 - - -	- 27 - - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish	n	- 1 - -	- 1 - -	-	- 27 - - -	- - - - -	-	-	- 27 - - -	-	-	-	-	- - - -	-	-	- 27 - - -	-	-	- - - -	- 27 - - -	- 27 - - - -
VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture	n	- 1 - - -	- 1 - -	-	- 27 - - -	- - - -	-	-	- 27 - - -	-		-	-	- - - -	-	-	- 27 - - -	-	-	- - - -	- 27 - - -	- 27 - - - -

management and																						
culture of																						
freshwater prawn																						
Breeding and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
culture of																						
ornamental fishes																						
Portable plastic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
carp hatchery																						
Pen culture of fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
and prawn																						
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Edible oyster	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
farming																						
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
and value addition																						
IX Production of In	puts a	t 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															<u> </u>		<u> </u>					
Production of Fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
feed		1		1	1	1	1	1	1					1	1		1					

X Capacity Building	g and	Group	Dvnamic	s			1							1		1	1	1				
Leadership development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Formation and Management of		0	0	-	33	-	6	-	39	-	-	-	22	-	22	-	33	-	28	-	61	61
Mobilization of social capital	-	1	1	-	30	-	-	-	30	-	-	-	-	-	-	-	30	-	-	-	30	30
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry				1			1							1		1		1				
Production technologies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	39	41	23	434	30	39	53	473	0	463	2	104	2	567	23	897	32	141	55	1038	1093
(B) RURAL YOUT	H																					
Mushroom Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil testing Management	1	-	1	3	-	-	-	3	-	24	-	-	-	24	-	27	-	-	-	27	-	27
Sericulture	-	1	1	-	11	-	1	-	12	-	4	-	7	-	11	-	15	-	8	-	23	23
Protected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

cultivation of																						
Commercial fruit	-	-	-	-	-	-	-	_	-	-	-	-	-	_	-	-	-	-	_	-	-	-
production																						
Repair and	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
maintenance of																						
farm machinery																						
and implements																						
Nursery	-	-	-		-	_	-	-	-	-	-	-	_	-	_	-	-	-	-	-	-	-
Management of																						
Horticulture crops																						
Training and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pruning of orchards																						
Value addition	-	1	1	-	-	-	-	-	-	-	-	-	28	-	28	-	-	-	28	-	28	28
Production of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
quality animal																						
products																						
Dairying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
rearing																						
Ouail farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggerv	-	1	1	-	11	-	1	-	12	-	10	-	3	-	13	-	21	-	4	-	25	25
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-																				
fisheries		_																				
fisheries Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fisheries Para vets Para extension	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fisheries Para vets Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fisheriesPara vetsPara extensionworkersComposite fish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- - -
fisheriesPara vetsPara extensionworkersComposite fishculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawn		-	- - -	-	-		-		-		-	-	-	-	-	-	-	-	-		-	- - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawnculture	-	-	-	-	-				-	-	-	-	-	-	-	-	-		-	- - -	-	- - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farming	-	- - - -	- - - -	-		-	- - - -	-			- - - -	-	- - - -	- - - -	- - - -	-	-	· · ·	- - - -	- - -	- - - -	- - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl culture		•	- - - - -	- - - -	- - - -	- - - -	· ·	- - - -	- - - -	- - - -	· · ·	-	- - - -	- - - -	- - - -	- - - - -	-	· · ·	- - - -	- - - -	- - - -	- - - - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl cultureCold water	- - - - - - - -	- - - - -	- - - - - -	- - - - - - -	- - - - - -	- - - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - - - -	- - - - - -	- - - -	- - - - -	- - - - - -	- - - - -	- - - - - -	-	- - - - -	- - - - - -	- - - - - -	- - - - -	- - - - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl cultureCold waterfisheries	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	-	- - - - -	- - - - -	-	- - - - -	- - - - - -	-	- - - -	- - - - -	- - - - -	- - - - -	- - - - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl cultureCold waterfisheriesFish harvest and	- - - - - -	- - - - - - -	- - - - - -	- - - - - - -	- - - - - - - - -	- - - - - - -	- - - - - -	- - - - - - -	- - - - - - - -	- - - - - - -	- - - - - - - -	-	- - - - - - - - -	- - - - - - -	- - - - - - - - - -	- - - - - - - -	-	- - - - - -	- - - - - - - -	- - - - - - - -	- - - - - -	- - - - - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl cultureCold waterfisheriesFish harvest andprocessing	- - - - - - -	- - - - - - -	- - - - - - - -	- - - - - - -	- - - - - - -	- - - - - - - -	- - - - - -	- - - - - -	- - - - - - - -	- - - - - - -	- - - - - - -	-	- - - - - - - - - - -	- - - - - - -	- - - - - - - - - - -	- - - - - - - -	- - - - - - - - -	- - - - - -	- - - - - - - -	- - - - - - -	- - - - - -	- - - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl cultureCold waterfisheriesFish harvest andprocessingtechnology	- - - - - -	-	- - - - - -	- - - - - - -	- - - - - -	- - - - - -	- - - - -	- - - - - -	- - - - - -	- - - - -	- - - - - -	- - - - -	- - - - - - - -	-	- - - - - - - -	- - - - - - -	-	- - - - - -	- - - - - -	- - - - -	- - - - -	- - - - -
fisheriesPara vetsPara extensionworkersComposite fishcultureFreshwater prawncultureShrimp farmingPearl cultureCold waterfisheriesFish harvest andprocessingtechnologyFry and fingerling	- - - - - - - -	- - - - - -	- - - - - - -	- - - - - - - - -	- - - - - - - - - -	- - - - - - - -	- - - - - - -	- - - - - - - -	- - - - - - - - -	- - - - - - - -	- - - - - - - -	-	- - - - - - - - -	-	- - - - - - - - -	- - - - - - - -	-	- - - - - - -	- - - - - - - -	- - - - - - -	- - - - - - -	- - - - - -

Small scale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Technology																						
Tailoring and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stitching																						
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrepreneurship	-	1	1	-	25	-	-	-	25	-	-	-	-	-	-	-	25	-	-	-	25	25
development		-	-		_0				_0								_0				_0	_0
TOTAL			-		47	_	0		40	0.4			20	04	50	07	64	_	40	07	404	400
			5	3	47	0	Z	3	49	24	14	0	38	24	52	27	61	0	40	27	101	128
(C) EATENSION P	EKSU	JININEL	1	1											1						1	
anhancomont in		2	2	_	97	_	_	_	97	_	91		_	_	91		59	_	_	_	59	59
field crops	-	2	2		21				21		51				51		90				90	- 50
Integrated Pest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management																						
Integrated Nutrient	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
management																						
Rejuvenation of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
old orchards															ļ							
Protected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cultivation																						
technology															<u> </u>							
Formation and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of																						
SHUS Group Dunamias	1		1	14	_	_	_	14	_	C	_	_	_	C		90	_	_	_	90	_	20
ond formors	1	-	1	14	-	-	_	14	-	0	-	-	-	6	-	20	-	-	-	20	-	20
and farmers																						
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRA	1	-	1	20	-	1	-	21	-	4	-	-	-	4	-	24	-	1	-	25	-	25
TOTAL	2	2	4	34	27	1	0	35	27	10	31	0	0	10	31	44	58	1	0	45	58	103

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No.	of Particip	oants	Self empl	oyed after ti	aining	Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost	11.6.11 & 12.6.11	Vermicompost Production Technology	Vermiculture	2	24	4	28	Vermicompost	2	2	-
Vegetables	14.9.11	Protected cultivation technology of off season vegetables	Off season vegetable production	1	29	-	29	Polyhouse	2	2	-

(E) Sponsored Training Programmes

											No.	of Particip	oants	-				Amount
SI.No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses		Others			SC/ST			Total		Sponsoring Agency	of fund received (Rs.)
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	11-17 Dec, 2011	Efficient Water Management for Improved Agricultural Production	Agronomy	Water management	7 days	Mixed	2	72	-	72	28	-	28	100	-	100	AICRP on Water Management, AAU, Jorhat	-
2	1-3, February 2012	Capacity building on Agriculture & Climate change	Agriculture	Agricultural production & climate change	3	Mixed	1	13	-	13	7	-	7	20	-	20	Socio Economic Development Project	-
Total	-	2	-	-	10	-	3	85	-	85	35	-	35	120	-	120	-	-

Photographs of Training Programme Conducted by KVK, Kokrajhar

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc)

SI.	Noture of	Purpose/							Partic	ipants					
No.	Nature of Extension	topic and	No. of	Far	mers (Oth	ers)	SC	/ST (Farm	ers)	Exte	nsion Off	icials	0	Grand Tot	al
	Activity	Date	activities		(l)			(II)			()			<u>(+ +)</u>	
	,,			Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.		09.01.12	Bhomrabil	17	2	19	14	2	16				31	4	35
			No 2												
		22.2.12	Pachim	26	9	35	2	0	2				28	9	37
			Dangaimari												
	Field Day	15.3.12	Bhawraguri	5	3	8	14	8	22				19	11	30
	T IEIU Day	21.11.11	Debargaon	7	1	8	72	5	77				79	6	85
		06.02.12	Ghoshkata	25	-	25	60	15	75				85	15	100
		16.03.12	Ghilaguri –	4	-	4	31	5	36				35	5	40
			Dotma												
		30.03.12	Bhumka no 2	14	-	14	19	8	27				33	8	41
2.	PRA Exercise	09.09.2011	Oxiguri	80	13	93	7	3	10				87	16	103
			Simultapu												
3	Farmers Seminar	27.09.2011	KVK Training	21	-	21	4	-	4				25	-	25
			Hall												
			Gossaigaon												
4.	Soil test	27.03.2012	Serfanguri	19	-	19	30	2	32				49	2	51
	campaign		Ũ												
5.	Kisan Mela	10.3.12 to	KVK,	20	10	30	25	10	35	25	2	27	70	22	92
		11.3.12	Kokrajhar												
6.	Exhibition	10.3.12 to	KVK,	35	25	70	40	20	60	25	2	27	100	57	157
		11.3.12	Kokrajhar												
7.	Method	9.1.12	Bhomrabil	17	2	19	14	2	16				31	4	35
	Demonstration		No 2												
		16.3.12	Ghilaguri –												
			Dotma	4	-	4	31	5	40				35	5	40
8	Group Meeting	11.4.11	Simultapu	27	4	31	-	-	-	-	-	-	27	4	31
		10.5.11	Kamandanga	21	6	27	-	-	-	-	-	-	21	6	27
		16.7.11	Amlaiguri	-	-	-	27	5	32	-	-	-	27	5	32
		13.8.11	Ghoshkata	-	-	-	21	8	29	-	-	-	21	8	29
		12.2.12	Hatigarh	20	7	27	-	-	-	-	-	-	20	7	27
9	Lecture delivered	37 nos	Ť												
	as resource														
	person														
10	News paper	8 nos													
-	coverage														
11	Radio talk	13.3.12	Kokrajhar												
12	Popular Article	8.6.11	, í												

		23.11.11 27.4.11 24.8.11 November,11 May, 11 July, 11										
13	Extension Literature	9 nos										
14	Advisory service	212 nos										
15	Scientist visit to farmers filed	72 nos										
16	Diagnostic visit	30 nos										
17	Self help group conveners meeting	2 nos										
18	Farmers visit to KVK Farm	400 nos	200	50	250	120	30	150		320	80	400
18	Celebration of important day											
	i. Independence day	15.08.2011										
	ii. Republic day	26.01.2012										
	iii. World Food Day	16.10.2011	15	7	22	30	3	28		45	10	55
	Grand Total	793										1472

Field day on Large Block Demonstration on Sali Rice

Transect walk during PRA 3.5 Production and supply of Technological products

Poultry vaccination

Field day on TPS

SEED MATERIALS

Major group/class	Сгор	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS	Buckwheat	Local	7.6 q	17,780.00	27
OILSEEDS	-	-	-	-	-
PULSES	-	-	-	-	-
VEGETABLES	-	-	-	-	
FLOWER CROPS	-	-	-	-	-
Others (Specify)	_	-	-	_	-

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	7.6 q	17,780.00	27
2	OILSEEDS	_	_	
3	PULSES	-	-	
4	VEGETABLES	_	-	
5	FLOWER CROPS	_	_	
6	OTHERS (Spices)	-	_	
	TOTAL	7.6 q	17,780.00	27

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	-	-	-	-	-
SPICES	Black pepper		2	10.00	1 no
VEGETABLES	-	-	-	-	-
FOREST SPECIES	-	-	-	-	-
ORNAMENTAL CROPS	-	-	-	-	-
PLANTATION CROPS	-	-	-	-	-
Others (specify)	-	-	-	-	-

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to
				No. of Farmers
1	FRUITS	-	-	-
2	VEGETABLES	-	-	-
3	SPICES	2	10.00	1 no
4	FOREST SPECIES	-	-	-
5	ORNAMENTAL CROPS	-	-	-

6	PLANTATION CROPS	-	-	-
7	OTHERS	-	-	-
	TOTAL	2	10.00	1 no

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to
			No	(kg)		No. of Farmers
BIOAGENTS	-	-	-	-	-	-
BIOFERTILIZERS						
1	Vermicompost	Eisenia foetide	-	171 kg (400 kg utilized in VKV farm)	1710.00	-
BIO PESTICIDES	-	-	-	-	-	-

SUMMARY

SI Na Deadaard Nama		Secondary	Qua	ntity	Value (Da)	Provided to No. of Farmers
SI. No. Product Name	Species	Nos	(kg)	value (Ks.)		
1	BIOAGENTS	-	-	-	-	-
2	BIO FERTILIZERS	Eisenia foetide		171	1710.00	
3	BIO PESTICIDE	-	-	-	-	-
	TOTAL	-	-	171	1710.00	-

LIVESTOCK

Sl. No.	Туре	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos) Kgs			
Cattle	-	-	-	-	-	-
SHEEP AND GOAT	-	-	-	-	-	-
POULTRY	Egg	<mark>Vanaraja</mark>	417	-	2085.00	38
FISHERIES	-	-	-	-	-	-
Others (Specify)	-	-	-	-	-	-

40

SUMMARY

			Quantity				
Sl. No.	Туре	Breed	Nos	Kgs	Value (Rs.)	Provided to No. of Farmers	
1	CATTLE	-	-	-	-	-	
2	SHEEP & GOAT	-	-	-	-	-	
3	POULTRY	<mark>Vanaraja</mark>	417		2085.00	38	
4	FISHERIES	-	-	-	-	-	
5	OTHERS	-	-	-	-	-	
	TOTAL	-	417		2085.00	38	

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.): Nil

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers	-	-	
Total	-	-	
Technical reports	-	-	
Popular articles	Use of Azolla as green manure (seugea sar hisape krisit	Chakravarty, M &	
	Azollar byabahar)	Sarma, U.J	
	Soil fertility management in Rapeseed & Mustard	Chakravarty, M	
	(Sariah khetit sar prayogar diha)	-	
	Mulching in Coconut palm during dry season	Sarma, U.J &	
		Chakravarty, M	
	Effect of incorporation of cowpea stover on succeeding	Sarma, U.J &	
	cauliflower curd yield and N,P,K status in soil	Chakravarty, M.C.	
	Neem tree- gift of nature (Assamese)	Brahma S	
	Horticultural crops can be a source of self employment	Brahma, S.	
	Cultivation technology of Arecanut on commercial	Brahma, S.	

	scale (Assamese)		
	Floriculture for prosperity in North Eastern Region	Brahma, S.	
	(English)		
	Good Agricultural practices (GAP) (English)	Brahma, S.	
Total	9		
Leaflets/folders	Nutrient management in Rapeseed (Sariah khetit sar	Manashi Chakravarty	
	parayog)		
	Preparation of organic manure by scientific method	Mrs .M Chakravarty	
	(Vigyan sanmata bhabe pasan sar prastutir padhati)	Dr. U.J. Sarma	
		Mrs. S. Brahma	
	Production of azolla & its application ((Azolla utpadon	Mrs. M. Chakravarty	
	aru prayog padhati)	Mrs. S. Brahma	
		Dr. U.J. Sarma	
	Improved production & home scale processing of	Mrs. S. Brahma	
	turmeric	Mrs. M. Chakravarty	
		Dr. M.K. Bhuyan	
	Production technology of Assam Lemon on	Mrs. S. Brahma	
	commercial scale	Mrs. M. Chakravarty	
		Dr. M.K. Bhuyan	
	Production technology of Mandarin on commercial	Mrs. S. Brahma	
	scale	Mrs. M. Chakravarty	
		Dr. M.K. Bhuyan	
	Commercial production technology of coconut	Mrs. S. Brahma	
		Mrs. M. Chakravarty	
	TPS tuberlet- best planting material for potato	Mrs S. Brahma	
	production		
Total	8		
GrandTOTAL	<mark>17</mark>		

© Details of Electronic Media Produced:Nil

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

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

1. Mr. Bimala Prasad Basumatary

Mr. Bimala Prasad Basumatary aged of 41 years, S/o Late Upendra Basumatary of village South Ghoskhata under Dotma Dev. Block is a young educated farmer of Kokrajhar District. At that time, he inherited 5.3 ha of cultivable land as paternal property. He observed that his income was not adequate to meet both ends of the family. From his student life, he was observing that it was very difficult to manage a white collar job. Under such circumstances, he decided to engage himself in scientific agriculture. Instead of his father's traditional cultivation, he thought of modern cultivation. For the first time, he started horticultural farming by cultivating hybrid tomato, cabbage, cauliflower etc. This first venture earned him a good profit and since then, he did not have to look back. Incidentally, he got a scope to take training from KVK, Gossaigaon in his village. These encouraged Mr. Basumatary to take up more activities on modern agricultural farming. One fine morning, he visited KVK, Gossaigaon where he sought suggestion from KVK, scientist for enhancing income by utilizing his vast land. A discussion was held between Mr. Basumatary and scientists of KVK of different disciplines. Few days later, a team of scientist of KVK, Gossaigaon visited the home of Mr. Basumatary. The scientists of KVK, saw tremendous potentialities of Mr. Basumatary and took the challenge to convert Mr. Basumatary, a model farmer of Kokrajhar district.

The KVK, Gossaigaon undertook FLD and OFT in the field of Mr. Basumatary on HYV of rice (Var. Ranjit,) and HYV of rape seed (var. TS-36). Simultaneously, Farmer participatory Action Research project (FPARP) on Multiple use of water were conducted in the land of Mr. Basumatary under the direct supervision of KVK, scientists. The results were encouraging and Mr Basumatary also participated in various training programmes conducted by KVK, Kokrajhar. Getting himself well trained, he started integrated farming in his land and shifted completely to scientific farming instead of his father's traditional farming. He started rice cultivation (Kharif rice) in 3.3 ha of land. Moreover, he cultivates vegetables in 1.2 ha of land. From this also, he could earn a lot. Since then, he is running a Integrated farming with horticultural crops, Agro-forestry, poultry, fisheries, cattle, goat and piggery. Etc.

In 0.28 ha fishery, he is rearing Rohu, common carp, Mrigal, Catla, Chinese carp etc. Moreover, he is running a broiler farm of 100 capacity, 10 nos. of local goat and 4nos. of pig of cross breed. He is managing 1.3 ha of agro-forestry including 0.26 ha arecanut, and 0.26 ha bamboo and 0.4 ha forest tree plantation. In addition to this, he owns a tractor, one power pump set and a spray machine. Under the constant guidance of KVK scientist, he was awarded best farmer for Kokrajhar district by District Agriculture Office, Kokrajhar in 2011.

SL. No.	Crop/ Enterprize	Area/ nos.	Annual Income (Rs.)
1.	Rice (Kharif)	3.5 ha	1,10,000.00
2.	Horticulture Nursery and Vegetables	1.2 ha	1,30,000.00
3.	Fishery	0.28 ha	80,000.00
4.	Livestock (piggery, goat, poultry)	-	85,000.00
5.	Agro- forestry including Areca nut and bamboo plantation	1.3 ha	1,10,000.00
	Total Annual income		5,15,000.00

Annual income of Mr. Bimal Prasad Basumatary from his Integrated Farming System is shown as follows;

2. Md. Abdul Aziz SheikhA role model among the farmers of No. 2 Bajugaon village

Md. Abdul Aziz Sheikh son of late. Abdur Rashid of village No. 2 Bajugaon, P.O.: Maktaigaon under Kachugaon Development Block of Kokrajhar District is now 50 years old. His educational qualification is six standard. Instead of continuing his school education, he was interested to accompany his father for cultivation. He started to learn ploughing at the age of 14-15 years. Md. Sheikh inherited 22 bighas of land and he practiced traditional cultivation of different crops. He never thinks about commercialization of agriculture by using scientific cultivation method.

One lucky day for him that is 8th September, 1998, Md. Sheikh heard that scientist from KVK, Kokrajhar, Telipara, Gossaigaon will come to his village for imparting training on horticultural crops. He did not miss the chance and took part in the programme. He learned from the training many more and it gave him a chance to come close to the KVK scientist. After that he always used to visit the KVK for taking advice about scientific methods of cultivation. Later he invited the scientists of KVK, Kokrajhar to his house and showed his farming land and sought suggestions from them for enhancing his agricultural production.

The scientists took stock of his resources and constrains and suggested him to undergo more training on different discipline like agronomy, horticulture, soil science, plant protection, fishery, animal science etc. Thus he gathered vast scientific knowledge from such training programme. Moreover, for improving his skill, several OFTs and FLDs were conducted in the fields of Md. Sheikh under direct supervision of

Scientists of KVK, Kokrajhar. With the proper application of his gained knowledge and improved skill he could enhance his agricultural production to a greater extent.

Sl. No.	Name of the enterprise	Area/ nos.	Income (Rs.)			
1	Agro forestry (Bamboo)	2 bighas	20,000.00			
2	Areca nut	100 nos.	7000.00			
3	Bannana	2 bighas	50000.00			
4	Rice	15 bighas	25000.00			
5	Jute	3 bighas	30000.00			
6	Rabi vegetables (Cabbage, Cauliflowers, tomato,	20 bighas	100000.00			
	brinjal, potato etc.)					
7	Kharif vegetables (Okra, ridge, guard, pointed	2 bighas	40000.00			
	guard etc.)					
8	Fishery	3 bighas	60000.00			
9	Goat	9 nos.	20000.00			
10	Poultry	45 nos.	10000.00			
11	Buffalo (Female)	2 nos.	5000.00			
12	Cattle (Cow)	7 nos.	13000.00			
	Total 3,80,000.0					
R	Rupees Three Lakh Eighty Thousand only.					

At present the income from different enterprises adopted by Md. Sheikh is shown below:

From his income he purchased a pump set and 1.5 bighas of cultivable land. He has planned to purchase a power tiller in the next year and wish to set up a green house in his own farm. At present his annual income is Rs. 3.80 lakhs from different enterprises. Such income helped Md. Sheikh to run his 7 members family smoothly.

Now Md. Abdul Aziz Sheikh is a successful farmer and role model for the farmers not only for the village of No. 2 Bajugaon but for the entire Kokrajhar district. He could prove that without much more formal education, a person become a successful by adopting scientific methods of agricultural practices. Md. Sheikh is now a very happy person and glaring example of this fact.

Bimala Prasad Basumatary in Vegetable field

IFS by Bimala Prasad Basumatary

Md. Abdul Aziz Sheikh in Cabbage Field

Md. Abdul Aziz Sheikh in Luxuriant Tomato Crop

- 3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year: NIL
- 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
1.	Rice	Top portion of rice seedlings are cut and buried or fed to cattle before transplanting	To check the multiplication of stem borer
2.	Rice	Pulp of Pummelo is used in rice field	To control rice Gandhi Bug as the pulp may act as an attractant
3.	Bean	Extract yielded from overnight soaking of tobacco leaves in water is used	To control insect-pests
4.	Onion	Soaking of Onion seeds in water of "Hookah"	For quick germination
5.	Brinjal	Ash of fire wood is used in Brinjal cultivation	To control fruit and shoot borer
6.	Rice and Jute	Placing of branches of tree in rice and jute field	To control of rice stem borer and jute semi- looper. The branches facilitate predatory birds to sit and destroy the pests.
7.	Rice	Lighting of earthen lamp in rice field during Sep-Oct.	To trap insects and pests
8.	Bottle gourd and Arecanut	Piercing in cucurbits and areca nut plants	To increase fruit setting percentage
9.	Cattle	Juice of turmeric mixed with molasses and fed to cattle in empty stomach.	To expels worms. The mixture act as anthelmentic
10.	Goat	Mixture of black salt and 100 ml juice of garlic and ginger is used against tympany	To treat the Goat suffering from tympany
11.	Dairy	10 gm of Asafoetida (hing) is mixed with feed and fed to milch cow.	To increase milk production
12.	Cattle and Goat	Juice of Basak leaves when fed along with honey.	To control coughing. The juice act as cough syrup.

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

- Identification of courses for farmers/farm women

PRA techniques, SAC meeting, ZREAC meeting, Farmers visit to KVK, Bimonthly Zonal Workshop, Interaction with extension functionaries, Discussion with district and primary Pathar Parichalana Samiti (PPS), All Bodoland Farmers Association (DuBAA), etc.

- Rural Youth

PRA techniques, SAC meeting, ZREAC meeting, Farmers visit to KVK, Bimonthly Zonal Workshop, Discussion with district and primary Pathar Parichalana Samiti (PPS), All Bodoland Farmers Association (DuBAA), Extension Functionaries, Youth organizations, NGOs, SHGs etc

- In-service personnel

Bimonthly Zonal Workshop, SAC meeting, ZREAC meeting, Interaction with extension functionaries, PRA techniques, Interaction with youth organizations, NGOs, SHGs etc.

Field activities 3.11

- Number of villages adopted : 2 nos No. of farm families selected : 30 i.
- ii.
- iii. No. of survey/PRA conducted : 2

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab

Year of establishment 1. : 2009

2. List of equipments purchased with amount

2. List of e	equipments purchased with amount :		
SI. No	Name of the Equipment	Qty.	Cost
1	Spectrophotometer	1 No	23,488.00
2	Flame photometer	1 No	22,490.00
3	PH Meter	1 No	7,384.00
4	Conductivity Bridge	1 No	8,673.00
5	Physical Balance (5 Kg capacity)	1 No	4,500.00
6	Physical Balance (2.5 Kg capacity)	1 No	3,000.00
7	Chemical Balance	1 No	32,500.00
8	Shaker	1 No	16,500.00
9	Rotary Shaker	1 No	19,800.00
10	Refrigerator	1 No	14,062.00
11	Hot Plate	1 No	3,000.00
12	Oven	1 No	18,960.00
13	Grinder	1 No	15,750.00
14	Double Water Distillation Apparatus	1 No	27,800.00
15	Water Distillation Still	1 No	9,970.00
16	Electronic Automatic KEL PLUS Digestion System	1 No	80,497.00
17	Electronic KEL PLUS Automatic Distillation System	1 No	1,50,110.00
Total	·	17 nos	308,374.00

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	110	110	47	7775.00
Water Samples	-	-	-	-
Plant Samples	20	-	-	-
Petiole Samples	-	-	-	-
Total	130	110	47	-

:

4.0 IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income ((Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)	
Summer vegetables cultivation techniques	220	83	28700/ha	53000/ha	
Cole crops production technology	141	51	34000/ha	46000/ha	
Nursery techniques	110	52	74000/ha	114000/ha	
Mushroom production technology	300	31	-	18000/Season	
Fertilizer application in Boro rice	114	63	8000/ha	10000/ha	
Improved variety of Rapeseed	120	31	8000/ha	16000/ha	
Improved cultivation of Potato	103	72	19000/ha	25000/ha	
Improved method of Banana plantation	150	76	10000/ha	140000/ha	
Broiler farming	85	70	2500/month	4500/month	
Composite Fish farming	56	30	35000/ha	75000/ha	
HYV in Sali rice (Ranjit)	700	92	20000/ha	30000/ha	
Control of shoot and fruit borer in Brinjal	110	43	6000/ha	9000/ha	
Control of fruit scaring beetle in Banana	115	67	50000/ha	65000/ha	
Techniques for preparation of Vermi compost	112	26	-	35000/year	
Rearing of Pig	130	65	4500/pig	6500/pig	
Rearing of Duck	60	12	110 egg/duck	180 egg/ck	

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

1	Adoption of HYV of Boro Rice – Joymati, Kanaklata & swarnav	Area increased – 55 %
2	Adoption of HYV of Rapeseed – TS – 36 & TS – 46	Increase in area – 44 %
3	Commercial cultivation of Banana variety – Malbhog	Increase in area – 45 %
4	Adoption of control measures for late blight of Potato	Adoption – 87 %
5	Adoption of Broiler farming	Adoption – 23 %

6	Adoption of Piggery farming	Adoption – 52 %
7	Adoption of cultivation of Oyster mushroom	Adoption – 40 %
8	Adoption of Fish farming	Adoption – 34 %
9	Adoption of Vanaraja bird farming	Adoption – 12 %
10	Adoption of duck farming	Adoption – 7 %

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

SI.	Name of the specific technology/skill transferred	No. of participant	% of adoption	Changes in	income (Rs.)
No.	Name of the specific technology/skill transferred	No. of participant		Before	After
1	HYV in Boro rice (Joymati & Kanaklata & swarnav)	112	55	Rs. 22500/ha	Rs. 37000/ha
3	Production technology of Milky mushroom	25	20	-	Rs. 15000/Sesaon
4	Improved variety of Rapeseed (TS 36 & TS 46)	80	65	Rs. 7000/ha	Rs. 15000/ha
5	Improved method of Banana production	60	30	Rs. 75000/ha	Rs. 160000/ha
6	Integrated Fish farming	25	10	Rs. 50000/ha	Rs. 80000/ha
7	Management of fruit scaring beetle in Banana	26	50	Rs. 40000/ha	Rs. 80000/ha
8	Vermi-compost production techniques	75	30	-	Rs. 35000/Year
9	Rearing of Pig	110	50	Rs. 2000/Pig	Rs. 6000/Pig
10	Nursery management of Horticultural crops	30	45	Rs. 50000/ha	Rs. 135000/ha
11	Goatery management	50	20	Rs. 1500/goat	Rs. 2200/goat
12	Poultry management	105	40	110 egg/duck	180 egg/ck

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. Department of Agriculture, Kokrajhar	Training, Diagnostics visit, Reviewing departmental projects,
2. Department of AH & Vety., Kokrajhar	Training organization, selection of cluster of farmers
3. Department of Soil Conservation, Kokrajhar	Integrated Water shed management Project, Training
4. NABARD, Kokrajhar	Training, Farmers group formation
5. SIRD, Assam	Backyard rearing of Chara Chembelli ducks for women empowerment, Exposure visit

6. National Research Centre on Pig, ICAR, Rani	Artificial Insemination of Pig in Kokrajhar District
7. Discovery Club, Kokrajhar	Livelihood promotion through integrated farming system (NAIP)
8. LWS, Gossaigaon	Resource person
9. Wild Life Trust of India	Community development initiative through alternative livelihood in the fringe areas of Manas
	Tiger Reserve

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
DBT led organic farming in the North Eastern Region	Since 2010-11	ICAR	841284.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Identification of problems and constraints faced by different socio-economic groups and farmers	Collaboration in Field survey, PRA, Group meeting & training	-
2	Strategy for research and extension programme	Cooperation in preparation of integrated SREP	-
3	Construction of Polyhouse at KVK, Kokrajhar	Demonstration purpose- planting of high value crops under polyhouse	-

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1.	Identification and selection of thrust crops	Collaboration in land survey, field visit, plenary	-
2.	Implementation of different programmes for area expansion and development of Horticulture	Technical guidance, field visit and survey	-
3.	Institutional training programmes for upgradation of knowledge and skills of beneficiaries selected under the mission	Designing of training course, Delivery of lecture as Resource Person	-

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks	
1	-	-	-	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

				Details	of production		Amour	nt (Rs.)	
SI. No.	Demo Unit	Year of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks
-	-	-	-	-	-	-	-	-	-

6.2 Performance of instructional farm (Crops) including seed production

Name	Date of sowing		a ea		Details of production		Amount (Rs.)		
Of the crop		Date of harvest	Are (h:	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Rice	3.6.11	7.11.11 to 20.11.11	2.10	Ranjit	Seeds	45.6 q	16000.00/ha	-	
Buck wheat	25.10.11 to 26.10.11	14.02.12 to 17.02.12	0.25	Local	Grain	1.5 q	3231.00	-	
Pulses									
Pigeonpea									
Oilseeds									
Niger	16.10.11	16.02.10 17.02.10	0.15	NG-1	Oil seed	0.60 q	2012.00	-	
Toria	19.10.11	27.1.12 28.1.12	0.13	TS- 36	Oil seed	.45 q	3851.00	-	
Sesamum	21.10.11	18.12.11	0.13	Local	Seeds	.50 q	1600.00		
Fibers									
Mesta	18.05.2011	23.02.2012	1.0	Local	Fibre	4 q	4000.00	-	
Mesta seed	-	-	0.50	Local	Seeds	1.45 q		-	
Spices & Plantat	ion crops								
Turmeric	12.03.2011	16.10.2011	0.03	Local	Seeds	0.60 q	400.00	-	
Ginger	25.03.2011	12.01.2012		Local	Seeds	1.80 q	400.00	-	
Floriculture	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
Vegetables									
Others (specify)									
	-	-	-	-	-	-	-	-	-

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

SI.			Amou	nt (Rs.)	
No.	Name of the Product	Qty	Cost of inputs	Gross income	Remarks
1	Vermicompost	12.2 q	1000.00	1710.00	-
2	Earthworm	2500 nos	-	5000.00	-

6.4 Performance of instructional farm (livestock and fisheries production)

SI.	Name	Details of production			Amou	nt (Rs.)	
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1	Piggery	Hampshire & T and D	Piglet	22 nos piglet	-	-	-
2.	Poultry	Vanaraja	Dual purpose (Egg & meat)	Egg- 1954 nos Meat- 27.3 kg	-	12578.00	-
3	Goatery	Breetel	Meat & kids	7 nos kids	-	-	-

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

				No. of Par	rticipants incl	uding SC/ST	No	. of SC/ST Partici	ipants
Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

6.5 Utilization of hostel facilities (Month Wise):

Accommodation available (No. of beds) : Nil

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April, 11 to March, 12	-	·	Nil	Nil	-
Total	-	-	Nil	Nil	-
Grand total	-	-	Nil	Nil	-

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	SBI	Jorhat	10253820770
With KVK	SBI	Gossaigaon	11378641024

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

	Released by ICAR/ZPD		Expenditure			
ltem	2009- 10	2010–11	2009- 10	2010-11	Unspent balance as on 31 st March, 2012	
Inputs	0.23725	0.21960	0.23033	0.18784	0.3868	
Extension activities						
TA/DA/POL etc.						
TOTAL	0.23725	0.21960	0.23033	0.18784	0.3868	

7.3 Utilization of KVK funds during the year 2011 -12

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Re	curring Contingencies			
1	Pay & Allowances	72.60	61.03024	61.03024
2	Traveling allowances	1.40	1.40	1.40
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
В	POL, repair of vehicles, tractor and equipments			
С	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)	6.00	6.00	E 00580
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	6.00		0.0000
F	On farm testing (on need based, location specific and			
	newly generated information in the major production			
	systems of the area)			
G	Training of extension functionaries			
Н	Maintenance of buildings			
- 1	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
	TOTAL (A)	80.0	68.43024	68.42604
B. No	n-Recurring Contingencies			
1	Works	-	-	-
2	Equipments including SWTL & Furniture	-	-	-
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	0.10	0.10	0.10
	TOTAL (B)	0.10	0.10	0.10
C. RE		0.50	0.90739	0.90739
	GRAND TOTAL (A+B+C)	80.60	69.43763	69.43343

7.4 Status of revolving fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2009 to March 2010	0.87895	1.75035	1,34222	1.28708
April 2010 to March 2011	1.28708	1.62258	2.12783	0.78183
April 2011 to March 2012	0.78183	1.93347	0.90739	1.80791

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

8.1 Constraints

a. Administrative

1. Long distance from the head quarter (600 km) with poor transport and communication facility

2. On-campus vocational training could not conducted due to lack of proper hostel facilities

b. Financial

1. Provision of funds for Traveling Allowance for trainees

2. Fund allocation under recurring contingency is insufficient in view of continuous price escalation.

4. Non-availability of funds in time for FLD hampers technology dissemination process and reduces KVK's impact

5. Procedures for release of fund should be more simplified

6. Budget should be provided timely so that fund can be utilized properly

7. More fund for infrastructure development

8. More fund for TA/DA for the Scientists and Staffs

c. Technical

1. Lowest speed of the existing internet facility.

2. Lack of STW and Godown hinders the farm activities of KVK

3. Deplorable office furnitures and inadequate space for sitting arrangement leads to poor working

environment and low zeal of scientists

4. Lack of cupboard and shelves for systematic arrangement of the materials in the soil testing laboratory of the KVK.

5. Frequent power cut hampers the official work.