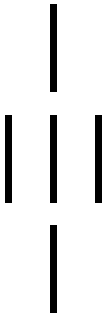
ANNUAL PROGRESS REPORT
2011-12



Krishi Vigyan Kedra, Jorhat
Assam Agricultural University
Teok-785112

ANNUAL REPORT KVK, JORHAT, 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, Jorhat Assam Agricultural University Changmaigaon Kaliapani – 785112 Teok, Jorhat Assam	9435352939 (Mob)		kvkjorhat@ymail.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	0376-2340001 0376-2310708	vc@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr Rupam Borgohain		9435352939	borgohainrupam@yahoo.co.in

1.4. Year of sanction: 2006

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

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/
1	Programme Coordinator	Dr. Rupam Borgohain	Programme Coordinator	Plant Breeding	37400 - 67000	59580	24.12.2009	Permanent	OBC
2	Subject Matter Specialist	Ms.Rumjhum Phukan	SMS	Plant Breeding	15600 – 39000	23610	10.08.2011	Permanent	Gen
3	Subject Matter Specialist	Mr. Pabitra Saharia	SMS	Fishery Science	15600 – 39000	23610	07.08.2011	Permanent	Gen
4	Subject Matter Specialist	Ms. Mousumi Phukon	SMS	Entomology	15600 – 39000	22920	25.11.2009	Permanent	OBC
5	Subject Matter Specialist	Dr. Pankaj Deka	SMS	Animal Science	15600 – 39000	21600	02.08.2011	Permanent	Gen
6	Subject Matter Specialist	Ms. Ira Sarma	SMS	Horticulture	15600 – 39000	21600	05.08.2011	Permanent	Gen
7	Subject Matter Specialist	Ms. Bibha Ozah	SMS	Soil Science	15600 – 39000	21600	04.08.2011	Permanent	Gen
8	Programme Assistant	Ms. Binapani Deka	Prog. Assistant	Home Science	8000 - 35000	15820	10.08.2011	Permanent	Gen

9	Computer Programmer	Mr. Shantanu Saikia	Prog. Assistant (Computer)	Computer Science	8000 - 35000	15820	08.11.08	Permanent	Gen
10	Farm Manager	Mr. Manab Bikas Gogoi	Farm Manager	Biotechnology	8000 - 35000	12900	14.10.2011	Permanent	OBC
11	Junior Accountant	Mr. Bagadhar Neog	Junior Accountant	NA	8000 - 35000	22850	10.06.2009 (Up to	Permanent	Gen
12	Accountant / Superintendent	Mr. Dibyajyoti Bharali	Accountant cum Office Superintendent	NA	8000 - 35000	12900	21.02.2012	Permanent	SC
13	Stenographer	Mr. Biman Jyoti Phukan	Stenographer	NA	5200-20200	8000	18-2-2012	Permanent	OBC
14	Driver	Mr. Pankaj Borah	Driver	NA	5200-20200	7400	21.02.2012	Permanent	OBC
15	Driver	Mr. Haren Barhoi	Driver	NA	5200-20200	7400	21.02.2012	Permanent	OBC
16	Supporting staff	Mr. Putul Bora	Peon	NA	5200-20200	11360	11.12.2007	Permanent	Gen
17	Supporting staff	Mr. Krishna Sarma	Peon	NA	5200-20200	8220	01.12.2007	Permanent	Gen

1.6. Total land with KVK (in ha) : 11.93 Ha :

Sl. No.	Item	Area (ha)
1	Under Buildings	1.20
2.	Under Demonstration Units	1.00 (RKVY)
3.	Under Crops	5.30
4.	Orchard/Agro-forestry	2.13
5.	Others (specify)	2.30

1.7. A) Infrastructural Development:

Sl. 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	30.09.2009	547 .00	42,33,000.00	-	-	-
2.	Farmers Hostel	ICAR	10-2-2012	311.50	17,12,249.00 (Total value 24 lakhs)	-	-	-
3.	Staff Quarters (6)							
	a. PC quarter (1)	ICAR	30.09.09	108.47	8,24,177			
	b. SMS quarters (2)	ICAR	06.03.09	76.65 x 2	11,83,565			
	c. Farm manager & Pas quarter (2)	ICAR	30.09.09	96.90	7,73,824			
	d. Supporting Staff quarters (1)	ICAR	06.05.09	37.80	3,14,300			
5	Fencing	ICAR	-	-.	15,00,000 (allotted)	-	800RM	Work not started yet
6	Fencing	RKVY	-	980RM	9,00,562.00	-		Work not started yet

7	Display unit	RKVY	16-05-2011	93.50	7,74,700.00	-	-	-
8	Semi automatic greenhouse	ICAR	5-2-2012	134.40	5,00,000.00	-	-	-
9	Vermicompost and compost production unit	RKVY			2,20,000.00	2-2-2012	48m^2	Work 75% complete
10	Azolla production unit	RKVY			2,72,000.00	2-2-2012	48m^2	Work 40% complete
11	Fertilizer godown	RKVY	06-08-2011	22.79	1,63,000.00	-	-	-

B) Vehicles:

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2008(ICAR)	5,00,000.00	65,000	Running condition
Tractor	2010(RKVY)	4,59,301.00		Running condition
Power tiller (2nos)	2008(RKVY)	1,36,511.00		Running condition
Rice transplanter	2010(RKVY)	1,88,198.00		Running condition

C) Equipments & AV aids:

Sl. No.	Name of the equipment	Source of Fund	Year of purchase	Cost (Rs.)	Present status
1	Desktop Computer	ICAR	2007	32,000.00	Working
2	UPS	ICAR	2007	6,930.00	Working
3	Ledger Printer	ICAR	2007	7,571.00	Working
4	Xerox (1)	ICAR	2010	1,01,920.00	Working

5	LCD Projector (1)	ICAR	2010	98,000.00	Working
6	Digital Camera (1)	ICAR	2010	19,000.00	Working
7	Computer (2)	ICAR	2010	55,094.00	Working
8	Laser printer (1)	ICAR	2010	5,475.00	Working
9	UPS (2)	ICAR	2010	16,474.00	Working
10	Scanner (1)	ICAR	2010	2,724.00	Working
11	Fax (1)	ICAR	2010	15,190.00	Working
12	Trailer capacity 1.5 tone	RKVY	2008	-	Working
13	Dugged Wheel for 13 HP	RKVY	2008	-	Working
14	Hitch braket with pine set for 13 HP VST Tiller	RKVY	2008	-	Working
15	Five Tyne cultivator for 13 HP VST Sakti power Tiller	RKVY	2008	-	Working
16	Tail wheel float for 13 HP VST power tiller	RKVY	2008	-	Working
17	Wheel Changer for BHP VST Power tiller	RKVY	2008	-	Working
18	Two share MB plough to be fitted with 13 HP VST Sakti power tiller	RKVY	2008	-	Working
19	Handle weight Assembly for 13 HP power tiller	RKVY	2008	-	Working
20	Short rotary for power tiller	RKVY	2008	-	Working
21	Extension lagged wheel for power tiller	RKVY	2008	-	Working
22	Straight blade 18 Nos	RKVY	2008	-	Working
23	Water pump with accessory-suction pipe & head	RKVY	2008	-	Working
24	Legged wheel carrier for power tiller	RKVY	2008	-	Working
25	Motorized knapsack sprayer with 1.2 HP petrol/kerosine engine	RKVY	2008	-	Working
26	Mechanized brush cutter	RKVY	2008	-	Working
27	Model –sparta-37 petrol	RKVY	2008	-	Working

28	driven 2 stroke engine	RKVY	2008	-	Working
29	Multi purpose power	RKVY	2008	-	Working
30	weeder, Model –APW-43	RKVY	2008	-	Working
31	2-stroke engine	RKVY	2008		Working
32	Sealing machine(8”) (1.5 x 3) mm sealing width option.	RKVY	2012	-	Working
33	Earth augar, Model –MTL-51	RKVY	2008	45,967.00	Working
34	**Post hole Digger accessories**.				
	i. Auger for digger(6”)	RKVY	2011	3,308.00	Working
	ii. Auger for digger(12”)	RKVY	2011	5,513.00	Working
	iii. Auger for digger(18”)	RKVY	2011	9,371.00	Working
	iv. Auger for digger(24”)	RKVY	2011	13,892.00	Working
35	Eight Row self propel rice transplanter	RKVY	2008	-	Working
36	Drag Net (Double knotted 100% nylon machine made)	RKVY	2008	-	Working
37	Fingering catching net(Knotless 100% nylone	RKVY	2008	-	Working
38	Ti -9 tine spring loaded Tiller	RKVY	2008	-	Working
39	Greaves pump set GSP-80B,Engine No-TKG 6748998 pump no-1798	RKVY	2008	-	Working
40	Chaff Cutter (J) No. Blade – 2	RKVY	2008	-	Working
41	T I plogh -2 disc (J)	RKVY	2008	-	Working
42	T I Disc Harrow (12 disc) (J)	RKVY	2008	-	Working
43	Lagged wheel	RKVY	2008	-	Working
44	Tail wheel Float	RKVY	2008	-	Working
45	Wheel changer	RKVY	2008	-	Working
46	Hitch bracket	RKVY	2008		Working
47	Rotavator, 25-35 and 35-50 HP tractor drawn	RKVY	2008	-	Working

48	Puddler	RKVY	2008	-	Working
49	Power paddy weeder	RKVY	2008	-	Working
50	Seed cleaner Model PC-2	RKVY	2008	-	Working
51	Power sprayer	RKVY	2008	-	Working
52	Knapsack mist blower cum duster	RKVY	2008	-	Working
53	Autoclave: Table top	RKVY	2011	8,810.00	Working
54	Autoclave vertical, media make, Model-7440PAD, Size-40x60 cm	RKVY	2011	93,638.00	Working
55	Horizontal Laminar air flow, Make-Rescolar, Model-RH58-7, Size-120 x 60 x 60 cm	RKVY	2011	57,930.00	Working
56	Hot air Oven (600x600x600) mm	RKVY	2011	36,888.00	Working
57	Portable Ph meter with 4 digit LCD display	RKVY	2011	2,270.00	Working
58	B.O.D Incubator(Low temp.) capacity -171 lt.	RKVY	2011	1,22,131.00	Working
59	Spirit lamp(Brass)	RKVY	2011	280.00	Working
60	Wheel burrow (wheels made of cast iron with solid rubber ring)	RKVY	2011	5,175.00	Working

1.8. A). Details SAC meeting* conducted in the year: Not conducted

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

2. DETAILS OF DISTRICT

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

Sl. No.	Farming system/enterprise
1.	Agri – Horti – Animal husbandry – Fishery
2.	Agri – Horti – Animal husbandry
3.	Agri – Horti – Fishery
4.	Agri – Horti

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Upper Brahmaputra Valley Zone	The Upper Brahmaputra Valley Agro-climatic Zone is characterized by the existence of hills, high land, plain land and char areas. Soils of this zone consist of mostly recent immature alluvium in char areas to mature ultisol in the piedmont, high land and hilly areas in the southern part. These soils fall under Entisol order. Annual rainfall varies from 1,200 mm to 2,400 mm. The temperature of the zone varies from a maximum of 37°C to a minimum of 7°C on an average. The zone, however, shows considerable variation in physiography, climate, soil, flood proneness, socioeconomic condition and cropping patters. Based on these parameters, the zone is further classified into eight Agro-Ecological Situations. Out of them six exist in the district and out of them two are related with forest and tea growing areas.

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.	Sandy	Contains sand separates 70% or more of the material by weight	15169
2.	Sandy loam	Exhibits property in between sandy and loam and contains more sand separates than loam	89070
3.	Loam	Contains a mixture of sand, silt and clay particles which exhibit light and heavy properties in about equal proportion	12491
4.	Silty clay loam	Contains more silt and clay than loam	23545
5.	Clay	Contains atleast 35% of clay separates and in most cases not less than 40%	12626

Source: Department of Agriculture, Jorhat

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 paddy	6450.00	161300.00	25.00
2.	Winter paddy	83100.00	2492900.00	30.00
3.	Summer paddy	2710.00	56600.00	20.94
4.	Wheat	520.00	600.00	12.00
5.	Black gram	2980.00	17900.00	6.00
6.	Green gram	2070.00	12400.00	6.00
7.	Pea	1050.00	6200.00	5.94
8.	Lentil	520.00	2700.00	5.20
9.	Mustard	9390.00	80000.00	8.50
10.	Sesamum	220.00	1100.00	5.20
11.	Potato	3110.00	298000.00	96.00
12.	Sugarcane	500.00	16700.00	33.75
13.	Ridge gourd	270.00	5000.00	18.20
14.	Pumpkin	610.00	30200.00	50.00
15.	Kharif vegetables	3600.00	310300.00	86.20
16.	Rabi vegetables	6500.00	429900.00	66.16
17.	Garlic	890.00	53400.00	60.00
18.	Ginger	150.00	7800.00	52.00
19.	Arecanut	3090.00	593200.00	192.00
20.	Banana	3400.00	519400.00	153.00
21.	Assam Lemon	920.00	106200.00	115.40

2.5. Weather data:

Month	Rainfall (mm)	Temperature (C˚)		Relative Humidity (%)
		Mean Maximum	Mean Minimum	
1011-12				
April	1.8	28.7	19.7	75.0
May	16.4	31.0	22.8	81.0
June	8.8	32.5	25.4	82.0
July	15.4	32.1	25.4	85.0
August	10.8	32.4	25.5	84.0
September	6.2	33.2	25.6	81.0
October	0.9	31.9	22.0	78.0
November	0.6	26.9	14.3	77.0
December	0.6	24.9	11.1	77.0
January	0.5	21.4	10.3	81.8
February	0.3	25.7	12.2	73.0
March	2.5	27.9	16.5	72.0

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

Category	Population	Production	Productivity
Cattle			
Crossbred	13126	57.70 million lit (Milk)	236 lit/ animal/lactation (Average)
Indigenous	474886		
Buffalo	29845	0.80 Million lit (Milk)	180 lt/lactation/period of average 120 days
Sheep			
Crossbred	-	-	-
Indigenous	330	-	-
Goats	170793	0.425 million kg (Meat)	8 kg/goat
Pigs			
Crossbred	85625	0.25 million kg (Pork)	55 kg./pig (Average)
Indigenous	202797		
Rabbits	-	-	-
Poultry			
Hens			
Desi	444062	51.0 million nos	45 nos/ bird/yr (average)
Improved	12275		150 nos/ bird/ yr (average)
Ducks	190000		45 nos/ bird/yr (average)
Turkey and others			

Source: C-DAP Report 2009-10

Category	Area	Production	Productivity
Fish			
Marine			
Inland	43553.49 ha	10468.68 t	0.24 t/ha
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (2011-12):

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1	Teok	Kaliapani	Boloma Moran Gaon	Vegetables	1. Unawareness about scientific crop production 2. Nematode infestation in cucurbitaceous vegetables 3. Low participation of women in agriculture	1. ICM 2. Processing and value addition 3. Entrepreneurship development 4. Women empowerment 5. IPM

2	Kakojan	Sipahikhola	Fesual - II	Vegetable, Dairy, rice, fishery, duckery	1. Lack of scientific knowledge in crop production especially for vegetables 2. Lack of organized milk market 3. Lack of knowledge about management of group 4. Lack of knowledge and skill on scientific fish rearing	1. ICM and IPM on vegetables 2. Group marketing 3. Integrated livestock production and management 4. Group mobilization 5. Composite fish farming
3	Garmur	Kamalabari, Majuli	Mahkinagaon, Borbari gaon, Bhakat Chapori	Toria, vegetables, sugarcane, rice	1. Lack of HYV of rapeseed 2. Lack of awareness about water management 3. Unorganized market 4. Infestation of white grub in vegetable crops 5. Lack of knowledge about scientific cultivation of kharif pulse and oilseed	1. Introduction of newly released variety 2. Integrated crop management 3. IPM for vegetables 3. Marketing

4	Lahing	Selenghat	Siram Missing gaon	Rice, piggery, poultry	1. Low yield of local rice variety 2. Lack of knowledge about cultivation practices of HYV Sali rice. 3. Problem of water stagnation during planting period 3. Poor growth of pig 4 Incidence of diseases of poultry and pig 5. Lack of knowledge of farm women about livestock management	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management 5. Women empowerment
5	Teok	Sipahikhola	Bailunggaon	Vegetables, rice, tea, poultry, fruits	1. Lack of knowledge on management practices of vegetables 2. Low production of fruits, especially banana 3. Low performance of desi poultry birds	1. ICM and IPM of fruits and vegetables 2. Integrated poultry farming 3. Mobilization of CIG
6	Lahing	Selenghat	Changmaigaon, Adarsha gaon	Tea, goatery and poultry	1. Non availability of scented Sali HYV 2. Low production of local scented varieties	1. Introduction of scented HYV of Sali rice

7			Haloapathar	Rice, rabi Vegetables, potato	1. Lack of knowledge about scientific cultivation of high value vegetables 2. Non availability of quality seeds and planting material	1. ICM and IPM for high value vegetables 2. Group mobilization 3. Entrepreneurship development
8	Simaluguri	Kaliapani	Dhemajigaon	Rice, Banana, poultry	1. Lack of commercial attitude towards banana cultivation 2. Non availability of quality planting material 3. Low yield of fruit crops 4. High mortality of poultry	1. ICM of fruit crops 2. Production of quality planting material of banana 3. Group mobilization 4. Integrated disease management of poultry
9	Teok	Kaliapani	Kaowimari	Rice, fishery, vegetable, livestock	1. Monocropping 2. Low yield of available rice varieties 3. Lack of scientific knowledge about natural fish farming	1. Group mobilization 2. Wasteland utilization through boro rice cultivation and community fish farming
10	Lahing	Selenghat	Majkuri	Sali rice, vegetable, livestock	1. High incidence of pests and diseases of vegetables 2. Lack of knowledge on judicious application of pesticides 3. Lack of knowledge on scientific cultivation of high value vegetables	1. ICM and IPM of vegetables 2. Production of quality paddy seeds 3. Popularization of high value vegetables

11	Teok	Kaliapani	Narrang pachanigaon	Banana	1. Low productivity, Water scarcity during winter	1. Introduction of integrated crop management
12	Simaluguri	Kaliapani	Kaliapani gohaingaon	Banana	1. Low productivity, Water scarcity during winter	1. Introduction of integrated crop management
13	Simaluguri	Kaliapani	Amtol	Black pepper	1. Lack of quality planting material 2. Low yield	1. Production of quality planting material
14	Bebejia	Titabar	Bor era gaon, Mejenga Grant 1 & 2, Dakhin pat gaon, Silikha Sanatan gaon, Madhapur, Tipumia, Rajabari	Rice	1. Occurrence of severe draught	1. Water management of rice 2. Rain water harvesting
15	Garumara	Dhekergarah	Ganakbari	Vegetables, rice	1. Lack of knowledge on water management practices	1. Water management
16	Meleng	Sipahikhola	Sudamoa gaon	Rice, vegetables	1. Low yield of rice 2. Under-utilization of existing fallow lands	1. Crop intensification 2. ICM and IPM of rice 3. Group mobilization

17	Mariani		Kheremiagaon, Danigaon, Bongaon, Bahonigaon, Newsonowal missingaon	Winter and kharif vegegtable, Potato, rapeseed, black peper, banana, goatery, duckery, pine apple	1. Low productivity of traditionl vaiety. 2. Unawareness of scientific production technology 3. Unscientific horticultural pocket. 4. Under utilization of natural resources.	1. Organic vegetable and fruit production. 2. Entrepreneurship development for rural youths and farm women. 3. Integrated Nutrient Management. 4. Increasing crop productivity through scientific management 5. Introduction of improved bred of pig, and poultry suitable for backyard rearing. 6. Integrated Pest and Disease management in crop and vegetables.

18	Kamalabari	Majuli Development Block	Mahkina gaon**,** Bhakat chapari, Danigaon, Borbarigaon, Gormur, Kamalabari, Gormur, Aauniati	Sali rice, rapeseed & mustard, rabi vegetables, potato, garlic, apiary piggery, fish production	1. Low crop productivity 2. Unawareness of scientific production technology 3. Pest and disease incidence especially in vegetables 4. Injudicious use of pesticides 5. Traditional low productive pig, duck poultry production. 6. Lack of management of natural depression for fish production	1. Integrated farming systems 2. Entrepreneurship development for rural youths and farm women. 3. Integrated Nutrient Management. 4. Increasing crop productivity through scientific management 5. Integrated livestock production and management 6. Introduction improved bred of pig, duck and poultry suitable for backyard rearing. 7. Integrated Pest and Disease management in crop and vegetables.

19	Fesual	Central Devevelopment Block, Chipahikhola	Fesual No-II goan, Fesual No-I gaon, Holongpara Gohaingaon, Karigaon, Jotokia, Hingipulia	Potato, kharif and rabi vegetables, ginger, banana, Assam lemon, fishery, Goatery, dairy Mushroom	1. Mono cropping 2. Unorganised marketing of Milk, Kharif and Winte vegetable 3. Water scarcity during winter season 4. Lack of awareness about child care and nutrition 5. Pest and disease incidence 6. Injudicious use of chemical pesticides	1. Rain water harvesting 2. Increasing crop productivity through scientific management 3. Orgnanised marketing under group approach. 4. Integrated pest and disease management 5. Entrepreneurship development for rural youths 6. Integrated farming systems 7. Women empowerment

3. TECHNICAL ACHIEVEMENTS

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)			
	1				2			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Crop production	-	-	-	-	5	5	28	28
Plant Protection	2	1	4	2	1	1	12	12
Soil Science	-	-	-	-	1	1	12	12
Animal Science	2	1	4	2	2	1	65	50
Horticulture	2	2	2	4	-	-	-	-

Fishery	-	-	-	-	0	1	2	2
Organic farming	-	-	-	-	4	4	49	49
Water management	-	-	-	-	6	6	18	18
Rainwater harvesting	-	-	-	-	1	1	4	4
Total	6	4			21	20		

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	36	32	900	836	-	-	-	-
Rural youth	18	15	455	377	-	-	-	-
Extn. Functionaries	1	1	25	32	-	-	-	-

Field day	-	-	-	-	5	5	250	250
Farmers Scientist Interaction	-	-	-	-	5	3	125	83
Animal health Camp	-	-	-	-	4	3	100	120
Awareness camp	-	-	-	-	3	3	100	200
PRA exercise	-	-	-	-	5	2	125	71
Leaflet/ bulletin	-	-	-	-	15	15	375	375
Radio talk	-	-	-	-	19	19	-	-
Popular article	-	-	-	-	7	7	-	-
KVK Newsletter	-	-	-	-	1	1	-	-
Farmers' Phone Directory					1	1	200	200

Seed Production (Qt.)/ha		**Planting material (Nos.)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
Ahu paddy Luit		Cabbage (Pragati Plus)	

20	20	650	650
Sali paddy Ranjit		Cauliflower NP 2801	
40	40	650	650
KDML		Knolkhol (Ball)	
4	4	400	400
Mashuri		Tomato (Arjuna)	
2	2	3000	3000
Ranjit		Brinjal (Longai)	
16	16	3000	3000
Marigold (Pusa Narengi)		Banana (Amrit Sagar)	
1kg	1kg seed	2000	2000
Tuberose			
2500 nos	2500 nos		
Goat			
	3 nos. Kid		

3. B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified problems	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	Supply of seeds, planting materials etc.
1	Integrated Pest & Disease Management	Brinjal	High infestation of fruit and shoot borer	IPM of Brinjal Fruit and Shoot borer	-	-	-	Method demonstration, Farmers Scientists interaction	Seed, neem cake, neem based pesticides, pheromone traps with lure.
2	Integrated livestock & poultry management	Poultry	Low production of local indigenous bird	OFT on Dual purpose chicken-Vanraja		Rearing & management of improved low input backyard poultry	-	Popular article, method demonstration	Day old chicks, feed for 1 week, medicines, vaccines

3	Integrated crop management	Banana	Smaller size of finger towards denavelled end leading to lower bunch weight	Enhanced bunch yield by treating denavelled end (7.5gm Urea+ 7.5 gm Sulphate of Potash in 100ml water+ 500g fresh cowdung)	-	Training on Scientific banana cultivation	-	Radio talk, field visit	Sucker, fertilizer
4.	Soil Water Conservation	Bhoot Jolokia	Low temperature and water stress during winter retards the growth	Performance of bhoot jolokia under plastic mulch	-		-	Radio Talk, Popular article, Field visit	Plastic mulch
5	Integrated Nutrient Management	Transplanted Ahu	Lack of proper knowledge about INM	-	INM in Ahu Rice	INM in Ahu Rice	-	Popular article, field visit	Biofertilizers, fertilizer
6	Integrated Pest & Disease Management	Transplanted Ahu	Lack of proper knowledge about IPM	-	IPM in Ahu rice	IPM in Ahu rice	-	Training, method demonstration, radio talk, field visit, bulletin	Pheromone traps, trichocard, neem based pesticides

7	Integrated crop management	Sugarcane (Luit)	Low yield due to unscientific management practices and degeneration of clones of sugarcane	-	Scientific cultivation practices of AAU released sugarcane variety	Scientific cultivation practices of sugarcane	-	Field day, popular article	Sett and Fertilizer
8		Sugarcane (Dhansiri)	Low yield due to unscientific management practices and degeneration of clones of sugarcane	-	Scientific cultivation practices of AAU released sugarcane variety	Scientific cultivation practices of sugarcane	-	Field day, popular article	Sett and Fertilizer
9		Blackgram	Low yield due to non adoption of scientific cultivation practices and non-adoption of HYV	-	Cultivation practices of black gram	Cultivation practices of black gram	-	Field day, popular article	Seed, fertilizer
10	Crop management	Boro rice	Lack of knowledge regarding SRI	-	System of rice intensification	-	-	Field visit, Farmers Scientist Interaction, popular article, bulletin	Seed, fertilizer, pesticides

11		Early Ahu	Lack of suitable Ahu variety	-	Varietal evaluation of Ahu rice	-	-	Field visit, Farmers Scientist Interaction, popular article, bulletin	Seed, fertilizer, pesticides
12	Organic Management	Pineapple var. Kew	Lack of awareness on Organic Cultivation practices		Organic cultivation of Pineapple	Organic cultivation practices of Pineapple	-	Training, method demonstration, radio talk, bulletin, farmers scientist interaction	Sucker, Biofertilizers, biopesticide, neem cake, FYM, Vermicompost
13		Black Pepper var. Pannyur	Lack of awareness on Organic Cultivation practices		Organic cultivation of Black Pepper	Organic management of pest and diseases in Black pepper	-	Training, method demonstration, radio talk, bulletin, farmers scientist interaction	Seedling, Biofertilizers, biopesticide, neem cake, FYM, Vermicompost
14		French bean var. Arka Anoop	Lack of awareness on Organic Cultivation practices		Organic cultivation of French bean	Organic cultivation practices of French bean	-	Training, method demonstration, radio talk, bulletin, farmers scientist interaction	Seed, Biofertilizers, biopesticide, neem cake, FYM, Vermicompost

15		Turmeric var. Megha turmeric	Lack of awareness on Organic Cultivation practices	-	Organic cultivation of Turmeric	Organic management of pest and diseases in Turmeric		Training, method demonstration, radio talk, bulletin, farmers scientist interaction	Rhizome, Biofertilizers, biopesticide, neem cake, FYM, Vermicompost
16	Water Management	Brinjal	Non adoption of appropriate water management practices	NA	Water Management in Brinjal	NA	NA	Field visit, farmers scientist interaction	Seedling, fertilizer, pesticide
17		Tomato (Rocky)	Non adoption of appropriate water management practices	NA	Water Management in Tomato	NA	NA	Field visit, farmers scientist interaction	Seedling, fertilizer, pesticide
18		Banana	Water stress during winter season leading to poor growth	NA	Integration of Rain Water Harvesting & micro irrigation for increasing productivity of banana	Drip irrigation in banana cultivation	NA	Training, Field visit, farmers scientist interaction	Sucker, fertilizers, micro irrigation set
19		Bhut jolokia, duckery, fishery	Inefficient water management practices in IFS	NA	Multiple use of water in IFS	NA	NA	Awareness programme, field day, farmers scientist interaction	Seedling, fertilizer, pesticide, duck, finger lings

20	Soil Water Conservation	Tomato, Var Rocky,	Lack of knowledge in using mulching materials	NA	Soil water conservation using mulching	NA	NA	Method demonstration, popular article, Field visit, farmers scientist interaction	Seedling, Plastic mulch, pesticides, fertilizers
21		Okra	Lack of knowledge in using mulching materials	NA	Soil water conservation using mulching	NA	NA	Method demonstration, popular article, Field visit, farmers scientist interaction	Seed, Plastic mulch, pesticides, fertilizers
22	Water Conservation	Rain Water Harvesting (Jalkund)	Drying up of traditional rainwater harvesting structures(ponds) during winter	NA	Improvement of traditional rain water harvesting structure by plastic lining	NA	NA	Method demonstration, Field visit, farmers scientist interaction	Plastic
23	Integrated livestock & poultry Management	Poultry, Breed Vanaraja	Low productivity of egg of the local bird	NA	Introduction of Improved backyard dual purpose bird in Jorhat District	Training on rearing of improved variety poultry in backyard condition	NA	Radio talk, popular article	Day old chick, feed for one week, medicine vaccine etc
24	Composite fish farming	IMC and Exotic carps	Low yield due to unscientific species combination and ratio	NA	Scientific Combination of species and ratio in composite fish farming	Post stocking pond management, Fish health management	–	Training, leaflet, popular article, radio talk	Fish seed, feed, lime & fertilizer

3.B1. Seed production cum varietal demonstration under Technology Showcasing programme:

S. No	Thrust area	Crop/ Enterprise	Identified problems	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	Supply of seeds, planting materials etc.
1	Seed Production (Technology Showcasing)	Boro paddy var. Kanaklata	Lack of knowledge in seed production technology		Seed Production & varietal demonstration in Boro Rice	IPM in Boro Rice	NA	Field visit, Farmers Scientist Interaction	Seed, fertilizer, pesticides.
2		Sali Paddy (Ranjit,Mahsuri, Bahadur, Aghoni, Bora, Keteki, Joha)	Lack of knowledge in seed production technology		Seed Production & varietsl demonstration in Sali Rice	Quality Seed Production in Sali Rice (2) IPM in Sali Rice INM in Sali Rice	NA	Field visit, Farmers Scientist Interaction	Seed, fertilizer, pesticides
3		Toria (TS- 38, TS- 46)	Familiarizing farmers with the seed production technology as the use of poor quality seeds results in low yield		Seed Production & varietal demonstration in Toria	NA	NA	Field visit, Farmers Scientist Interaction	Seed, fertilizer, pesticides

3. B2. Seed production under NFSM:

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	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	Supply of seeds, planting materials etc.
1	Seed Production	Ahu rice, var. Luit and Kolong	Lack of quality seed	-	Seed Production & varietal demonstration in Ahu rice	-	-	Field visit, Farmers Scientist Interaction	Seed, fertilizer, pesticides

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	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-

Integrated Crop Management	-	-	-	-	1	1	-	-	-	2
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	2	1	-	-	-	3

A.2. Abstract of the number of technologies refined* in respect of crops/enterprises: Not refined

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietals 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	-	1	-	-	-	-	-	1
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	1	-	-	-	-	-	1

A.4. Abstract on the number of technologies refined in respect of livestock / enterprises: Not refined

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	-	-	-	-	-	-	-	-

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 Researcher**	**B.C. Ratio**
IPM of Brinjal Fruit and Shoot borer	High infestation of fruit and shoot borer	IPM using Pheromone trap, neem cake and neem based pesticides	2	1. No . of trapped insects/day (Average=2.85) 2. Percent infestation of shoot (Average=0.6%) 3. Percent infestation of fruit (Average=6%) 4. Yield record (10571 kg/ha)	Accepted the technology	Good results	3.2
OFT on Dual purpose chicken	Low production of local indigenous bird	Dual purpose bird (Vanraja)	2	Male:-Avg. Body weight: 20th wks of age= 2.25 kg, 24th wks of age= 2.85 kg Female:- Age at first lay 179 days Avg. Body wt. at 1st egg 2.45 kg Avg. egg production: 148/hen/yr Avg. Egg wt. at 40th wks= 48 g Avg. Egg wt at 72nd wks= 60 g	Accepted the technology	Good results	3.7
Enhanced bunch yield	Smaller size of finger towards	Denavelled end treatment	2	1. Finger length			

by treating denavelled end	denavelled end leading to lower bunch weight	(7.5gm Urea+ 7.5 gm Sulphate of Potash in 100ml water+ 500g fresh cowdung)		2. Finger weight 3. Finger girth 4. Bunch weight 5. Yield	The crop is in Bunch emerging stage	-	-
Performance of bhoot jolokia under plastic mulch	Low temperature and water stress during winter retards the vegetative growth	Use of plastic mulch to enhance soil temperature and conservation of moisture	7	1. Plant height (Dec-Feb ,15d interval)= 40.60 cm 2. No. of branches(from base)= 13.29 3. Duration to first flowering= 94 DAP 4. No. of fruits= Data not available til date 5. Wt of the fruits= Data not available til date 6. Yield/plant= Data not available til date 7. Yield/ha= Data not available til date 8. No. of irrigation/season= 1 9. No. of weeding= Nil	Other data are still being collected		

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	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1.	Rice (Transplanted Ahu)	INM in Ahu rice	1	12	1
2.	Rice (Transplanted Ahu)	IPM in Ahu rice	1	12	1
3.	Sali Paddy	Ranjit, Mahsuri, Bahadur, Aghoni, Bora, Keteki, Joha	5	344	116
4.	Sugarcane	Var. Luit	1	20	2
5.		Var. Dhansiri	1	7	0.65
6.	Blackgram	KU-301	1	8	2.5
7.	Boro paddy var. Kanaklata	Seed Production	3	72	50
8.	Toria	TS- 38 TS- 46	3	154	50
9.	Pineapple var. Kew	Organic management	1	17	1
10.	Black Pepper var. Pannyur	Organic management	2	15	1
11.	French bean var. Arka Anoop	Organic management	1	10	1
12	Turmeric var. Megha turmeric	Organic management	2	7	2
13	Bhoot jolokia, duckery, fishery , Coconut, Assam Lemon	Multiple use of water	1	7	1

14	Banana var. Amritsagar	Integration of rain water harvesting and micro-irrigation for increasing productivity of high value fruit crops	1	10	1
15	Tomato, Var Rocky	Water management	1	5	1
16	Tomato, Var Rocky	Soil water conservation using mulching	2	5	0.5
17	Okra	Soil water conservation using mulching	1	3	0.13
18	Rain Water Harvesting	Improvement of rain water harvesting structure	1	2	0.13
19	Poultry, Breed Vanaraja	Introduction of Improved backyard dual purpose bird in Jorhat District	5	50	5 Units
20	IMC and Exotic carps	Scientific Combination of species and ratio in composite fish farming	2	2	0.28
21	Brinjal	Water Management in Brinjal	2	2	0.26
22	Boro rice	System of rice intensification	1	7	2.3
23	Early Ahu, var. Luit	Varietal evaluation of Ahu	1	7	3.0
24	Early Ahu, var. Luit and Kolong	Seed production	2	7	6.0

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

b. Details of FLDs implemented during reporting period

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soiltype, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
A. Cereals														
1	Transplanted Ahu	INM	INM in Ahu Rice	Autumn 2012	1	1		12	12	-	RF, clay-loam	303.31	25.63	164.04
2.	Transplanted Ahu	IPM	IPM in Ahu Rice	Autumn 2012	1	1		12	12	-	RF, clay-loam	303.31	25.63	164.04
3.	Sali Paddy	Seed Production & varietal demonstration (Technology showcasing)	Ranjit, Mahsuri, Bahadur, Aghoni, Bora, Keteki, Joha	Kharif 2011	116	116		344	344	-	RF, clay-loam	303.31	25.63	164.04

4	Boro paddy	Seed Production & varietal demonstration (Technology showcasing)	Kanaklata	Rabi 2012	50	50	23	49	72	-	RF, clay-loam	300.17	27.14	207.94
5	Boro rice	System of rice intensification	Kanaklata	Rabi 2012	2.3	2.3		7	7	-	RF, clay-loam	316.99	27.57	211.55
6	Early Ahu,	Varietal evaluation of Ahu	Luit	Rabi 2011	3.0	3.0		7	7	-	RF, clay-loam	295.83	22.57	196.37
7	Early Ahu,	Seed production	Luit and Kolong	Rabi 2011	6.0	6.0		7	7	-	RF, clay-loam	312.34	24.78	188.76
B. Horticultural crops														
8	Pineapple	Organic management	Kew	Kharif 2011-12	1	1	7	10	17	-	Sandy-loam	287.59	24.50	152.65
9	Black Pepper	Organic management	Pannyur	Kharif 2011-12	1	1	5	10	15	-	Sandy-loam	276.50	26.50	148.65
10	French bean	Organic management	Arka Anoop	Kharif	1	1	-	10	10	-	Sandy-	303.31	25.63	164.04

				2011-12							loam			
11	Turmeric	Organic management	Megha turmeric	Kharif 2012	2	2	4	3	7	-	Sandy-loam	280.79	28.50	164.65
12	Bhut jolokia, coconut, lemon	Multiple use of water in IFS	Bhut jolokia, coconut, lemon	Rabi 2012	1	1	-	7	7	-	Sandy-loam	288.32	26.50	148.65
13	Banana	Water management (Drip irrigation)	Amritsagar	Kharif 2011-12	1	1	-	10	10	-	Sandy-loam	312.30	28.66	176.12
14	Tomato	Water management	Rocky	Rabi 2011-12	1	1	-	5	5	-	Sandy-loam	316.24	25.63	174.22
15	Tomato	Soil water conservation using plastic mulch	Rocky	Rabi 2011-12	0.5	0.5	-	5	5	-	Sandy-loam	296.38	24.50	152.65
16	Okra	Soil water conservation using plastic mulch	Durga	Rabi 2012	0.13	0.13	-	3	3	-	Sandy-loam	303.31	25.63	164.04
17	Brinjal	Water Management in Brinjal	Borbegena	Rabi 2012	0.26	0.26	-	2	2	-	Sandy-loam	324.31	24.64	176.34

C. Oilseeds														
18	Toria	Seed Production & varietal demonstration (Technology showcasing)	TS- 38 TS- 46	Rabi 2011-12	50	50	63	91	154	-	Sandy-loam	306.12	22.57	129.68
D. Pulses														
19	Blackgram	Integrated Crop Management	KU-301	Kharif 2011	2.5	2.5	-	8	8	-	Sandy-loam	300.17	27.14	207.94
E. Commercial crops														
20	Sugarcane	Integrated Crop Management	Luit	Kharif 2011	1	1	-	10	10	-	Sandy-loam	316.99	27.57	211.55
21	Sugarcane	Integrated Crop Management	Dhansiri	Kharif 2012	1	1	-	10	10	-	Sandy-loam	316.99	27.57	211.55
F. Livestock														
22	Poultry Breed	Integrated livestock & poultry Management	Vanaraja	2011-12	5 Unit	5 Unit	-	50	50	-	Sandy-loam	-	-	-

G. Fishery														
23	IMC and Exotic carps	Composite fish farming	Scientific species combination and ratio		0.28	0.28	-	2	2	-	-	-	-	-
H. Others														
24	Rain Water Harvesting (Jalkund)	Rain water harvesting	Use of plastic lining in traditional water harvesting structure (Ponds)		0.13	0.13	-	2	2	-	-	-	-	-

Performance of FLD

Sl.No.	Crop	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Data on parameter in relation to technology demonstrated (Yield, Disease incidence, etc. as specified in FLD Programme) Qtl./ha		Economic Impact				Technical Feedback on the Demonstrated Technology	Farmers' Reaction on specific Technologies
								Average Net Return (Profit) (Rs./ha)		B.C. Ratio			
								Demo	Local Check	Demo	Local Check		
		H	L	A		Demo	Local						
1	Transplanted Ahu	-	-	-	-	-	-	-	-	-	-	-	Transplanting completed
2	Transplanted Ahu	-	-	-	-	-	-	-	-	-	-	-	Transplanting completed
3	Sugarcane (Luit)	630	610	620	450	Yield- 620 Pest incidence- stem borer infestation <5%	Yield- 450 Pest incidence- stem borer infestation >5%	77100.00	52500	1.64	1.4	Variety exhibited profuse tillering & disease & pest incidence <5%	Technology was well accepted
4	Sugarcane (Dhansiri)	-	-	-	-	-	-	-	-	-	-	-	Plantation started
5	Blackgram	12.4	10	11.2	6.9	Yield- 11.2	Yield- 6.9 Pest	49704.00	31400.00	2.84	1.76	Yield was comparatively	Technology was well

	(KU-301)					Pest infestation – Pod borer< 2%	infestation – Pod borer >3%					higher than the local var. & resistant Cercospora leaf spot & YMV	accepted
6	Boro paddy var. Kanaklata	-	-	-	-	-	-	-	-	-	-	-	Presently at panicle initiation
7	Sali Paddy								13500.00		1.2	Yield was comparatively higher than the local var & the farmers gained knowledge regarding seed production technology	Technology was well accepted
	Ranjit	73	47	60	24	Yield- 60 Stem Borer infestation <5%	Yield – 24 Stem Borer infestation >5%	109310.00		6.50			
	Mahsuri	42	40	41	30	Yield- 41 Stem Borer infestation <5%, Brown spot< 2%	Yield – 30 Stem Borer infestation >5%, Brown spot>3%	69410.00		4.15			

	Bahadur	49	35	42	24	Yield- 42 Stem Borer infestation <5%	Yield – 24 Stem Borer infestation >5%	71510.00		4.28			
	Aghoni Bora	38	34	36	15	Yield- 36 Stem Borer infestation <4%	Yield – 15 Stem Borer infestation >4%	58910.00		3.52			
	Keteki Joha	34	30	32	15	Yield- 36 Stem Borer infestation <3%	Yield – 15 Stem Borer infestation >3%	50510.00		3.02			
8	Toria												
	TS- 38	12.18	11.25	11.71	10	Yield- 11.71 Mustard	Yield – 10 Mustard saw fly	25235.00		1.60			

						saw fly infestation < 2%	infestation >3%		20750.00		1.4		
	TS- 46	13.50	9.0	11.25	10	Yield- 11.25 Mustard saw fly infestation < 3%	Yield – 10 Mustard saw fly infestation >4%						
9	Pineapple var. Kew	-	-	-	-	-	-	-	-	-	-	Vegetative growing stage	-
10	Black Pepper var. Pannyur	-	-	-	-	-	-	-	-	-	-	Growing stage	-
11	French bean var. Arka Anoop	160	120	140	100	Yield- 140 Leaf miner attack 0.2%	Yield – 100 Leaf miner attack 0.5%	1,10,000.00	75,000.00	3.6	3.0	Variety exhibited good yield & resistant to rust diseases	Accepted the technology
12	Tomato (Rocky)	260	240	250	170	Yield- 250 Late Blight< 5%	Yield – 170 Late Blight>5%	2,10,000.00	1,35000.00	5.25	3.85	Variety exhibited good yield	Accepted the technology

13	Brinjal (Barbegena)	220	180	200	120	Yield- 200 Fruit and shoot borer infestation < 5%	Yield – 120 Fruit and shoot borer infestation > 5%	1,60,000.00	90,000.00	4.0	3.0	Variety exhibited good yield	Accepted the technology
14	Turmeric var. Megha turmeric	-	-	-	-		-	-	-	-	-	Land preparation completed	-
15	Okra (Durga)	-	-	-	-	-	-	-	-	-	-	Vegetative stage	-
16	Bhut jolokia, duckery, fishery , Coconut, Assam Lemon	-	-	-	-	-	-	-	-	-	-	Flowering & fruiting stage	-
17	Banana var. Amritsagar	-	-	-	-	-	-	-	-	-	-	Vegetative stage	-
18	Rain Water Harvesting	-	-	-	-	-	-	-	-	-	-	Water harvesting structure completed	-

19	Poultry, Breed Vanaraja	-	-	-	-	-	-	-	-	-	-	250 no.s of day old Vanaraja chicks distributed to women SHG (presently chicks are 1 month old)	-
20	IMC and Exotic carps	-	-	-	-	-	-	-	-	-	-	Pond preparation including liming & manuring is completed. Pond is ready to release fish species.	-
21	Early Ahu,var Luit	41	37	39	28	Yield- 39 Stem borer and leaf folder infestation < 5%	Yield-28 Stem borer and leaf folder infestation > 5%	9600.00	6510.00	0.44	0.40	Due to its high yield & earliness farmers want to adopt the technology	Accepted the technology
22	Tomato var. Rocky (Mulching)	320	280	300	180	Yield-300 Leaf	Yield-180 Leaf miner>2%,	2,55,000.00	1,40,000.00	5.67	3.50	Performed very well under plastic	

						miner< 2%, fruit borer infestation < 3% and wilting 1%	fruit borer infestation > 3% and wilting >1%					mulch	
23	Early Ahu, var. Luit	40	30	35	28	Yield- 35 Stem borer and leaf folder infestation < 5%	Yield-28 Stem borer and leaf folder infestation > 5%	51900.00	6510.00	2.4	0.40	Due to its high yield & earliness farmers want to adopt the technology	
	Var. Kolong	45	39	42	28	Yield- 42 Stem borer and leaf folder infestation < 5%	Yield-28 Stem borer and leaf folder infestation > 5%	66000.00	6510.00	3.08	0.40	Due to its high yield & earliness farmers want to adopt the technology	
24	Boro, var. Kanaklata	-	-	-	-	-	-	-	-	-	-	-	Presently at panicle initiation

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days i. Field day on Mulching ii. Field day on Toria iii. Field day on Water management in Tomato & Brinjal iv. Multiple use of water v. Field day on SRI	5	29.03.12 03.01.12 22.03.12 24.02.12 20.03.12	250	
2	**Farmers Training** i. Quality seed production in Sali rice ii. Quality seed production in Sali rice iii. Integrated Pest Management in Sali Rice iv. Integrated Pest Management in Boro Rice v. Integrated Pest Management in Ahu Rice vi. Scientific cultivation practices in Sugarcane vii. Integrated Nutrient management in Ahu rice viii. Organic cultivation in French bean ix. Organic management of pest and diseases in Turmeric x. Organic management of pest and diseases in Black pepper xi. Organic cultivation of pineapple	12	08.08.11 12.08.11 09.09.11 16.12.11 12.03.12 15.12.11 29.02.12 06.03.12 13.03.12 14.03.12 23.03.12	312	

	xii. Rearing of Improved dual purpose bird		24.03.12		
3	Media coverage	6	20.09.11 29.10.11 31.10.11 04.01.12 04.01.12 24.03.11		
4	Training for extension functionaries	1	16.12.11	32	

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		
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

(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		
Poultry	Vanaraja	5 SHG (50 farmers)	250	Male: 1. Avg. Body weight at different weeks of age. Female: Age at first egg. Egg production/hen/year Egg weight. Mortality	-	-	-	50 numbers of day old chicks distributed to each self help group Body weight at 7 days= 88 gm. Body weight at 14 days= 228 gm

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Fishery	IMC and Exotic carps	2	2	1.Water parameters ie. PH 2. Yield 3. Productivity 4. Income	-	-	-	Pond preparation including liming & manuring is completed. Pond is ready to release fish species.
Apiary	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Vermi compost	-	-	-	-	-	-	-	-

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

Thematic area	No. of courses			Participants																		
				Others						SC/ST						Total						Grand Total
	On	Off	Total	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS & FARM WOMEN																						
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	1	1	2	22	24	-	-	22	24	3	2	-	-	3	2	25	26	-	-	25	26	51
Nursery management																						
Integrated Crop Management	-	1	1	-	21	-	-		21	-	2	-	3				23		3		26	26
Fodder production																						
Production of organic inputs																						
Sub total	**1**	**2**	**3**	**22**	**45**	**-**	**-**	**22**	**45**	**3**	**4**	**-**	**3**	**3**	**2**	**25**	**49**	**-**	**3**	**25**	**52**	**77**
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	-	4	4	-	72	-	18	-	90	-	9	-	1	-	10	-	81	-	19	-	100	100

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	-	2	2	-	34	-	6	-	40	-	10	-	-	-	10	-	44	-	6	-	50	50
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	-	1	1	-	7	-	19	-	26	-	3	-	2	-	5	-	10	-	21	-	31	31
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and																						

value addition																						
Sub total	**-**	**7**	**7**	**-**	**113**	**-**	**43**	**-**	**156**	**-**	**22**	**-**	**3**	**-**	**25**	**-**	**135**	**-**	**46**	**-**	**181**	**181**
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management	-	2	2	-	48	-	2	-	50	-	-	-	3	-	3	-	48	-	5	-	53	53
Production and use of organic inputs	-	1	1	-	18	-	3	-	21	-	2	-	2	-	4	-	20	-	5	-	25	25
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
Sub total	**-**	**3**	**3**	**-**	**66**	**-**	**5**	**-**	**71**	**-**	**2**	**-**	**5**	**-**	**7**	**-**	**68**	**-**	**10**	**-**	**78**	**78**
IV Livestock Production and Management																						
Dairy Management	-	2	2	-	27	-	25	-	52	-	1	-	-	-	-	-	52	-	1	-	53	53
Poultry Management	-	1	1	-	10	-	26	-	36	-	11	-	2	-	-	-	36	-	2	-	38	38
Piggery Management																						
Rabbit Management																						
Disease Management	2	1	3	35	18	5	5	40	23	3	-	3	-	6	-	43	26	8	5	51	31	82
Feed management																						
Production of quality animal products																						

Sub total	2	4	6	35	55	5	56	40	111	3	12	3	2	6	-	43	114	8	5	51	122	173
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	-	1	1	-	-	21	-	-	21	-	-	-	21	-	21	-	-	-	21	-	21	21
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						

Sub total	-	**1**	**1**	-	-	21	-	-	21	-	-	-	21	-	21	-	-	-	21	-	21	21
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	-	7	7	-	136	-	25	-	161	-	9	-	5	-	14	-	145	-	30	-	175	175
Integrated Disease Management																						
Bio-control of pests and diseases	-	2	2	-	50	-	-	-	50	-	-	-	-	-	-	-	50	-	-	-	50	50
Production of bio control agents and bio pesticides																						
Sub total	-	**9**	**9**	-	186	-	25	-	211	-	9	-	5	-	14	-	195	-	30	-	225	225
VIII Fisheries																						
Integrated fish farming	-	1	1	-	16	-	12	-	28	-	1	-	1	-	2	-	17	-	13	-	30	30

Carp breeding and hatchery management/	-	1	1	-	21	-	5	-	26	-	-	-	-	-	-	-	21	-	5	-	26	26
Carp fry and fingerling rearing																						
Composite fish culture	-	1	1	-	24	-	-	-	24	-	-	-	-	-	-	-	24	-	-	-	24	24
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
Sub total	**-**	**3**	**3**	**-**	**61**	**-**	**17**	**-**	**78**	**-**	**1**	**-**	**1**	**-**	**2**	**-**	**62**	**-**	**18**	**-**	**80**	**80**
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**	**29**	**32**	**57**	**526**	**26**	**196**	**62**	**672**	**6**	**50**	**3**	**40**	**9**	**71**	**63**	**628**	**8**	**136**	**71**	**76**	**835**
(B) RURAL YOUTH																						
Mushroom Production	1	-	1	2	-	23	-	25	-	-	-	-	-	-	-	2	-	23	-	25	-	25
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs	-	2	2	-	34	-	-	-	34	-	20	-	-	-	-	3	37	-	-	-	37	37
Integrated Farming																						
Planting material production																						
Vermi-culture	-	1	1	-	17	-	5	-	22	-	1	-	2	-	3	-	18	-	7	-	25	25
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production	1	-	1	2	-	23	-	25	-	-	-	-	-	-	-	2	-	23	-	25	-	25
Commercial Flower production																						
Repair and maintenance of farm machinery and implements																						
Organic Management of Fruit and																						

Vegetables																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition	-	2	2	-	28	-	23	28	23	-	-	-	4	28	27	-	-	28	27	28	27	55
Production of quality animal products																						
Dairying	1	-	1	4	-	-	-	4	-	18	-	3	-	21		22	-	3	-	25	-	25
Sheep and goat rearing																						
Quail farming																						
Piggery	1	-	1	4	-	-	-	4	-	18	-	3	-	21		22	-	3	-	25	-	25
Rabbit farming																						
Poultry production	1	1	2	19	20	3	16	22	36	2	11	1	3	3	14	21	31	4	19	25	50	75
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture	1	1	2	12	16	6	-	18	16	3	9	-	-	3	9	15	25	6	-	21	25	46
Disease Management in Fishes	-	1	1	-	16	-	12	-	28	-	1	-	1	-	2	-	17	-	13	-	30	30
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																						
ICT	1	-	1	20	-	-	-	20	-	10	-	-	-	10	-	30	-	-	-	30	-	30
TOTAL	**7**	**8**	**15**	**63**	**131**	**55**	**56**	**118**	**187**	**51**	**42**	**7**	**10**	**58**	**52**	**114**	**173**	**62**	**66**	**176**	**239**	**415**
(C) EXTENSION PERSONNEL																						
Productivity enhancement in field crops																						
Integrated Pest Management	-	1	1	-	24	-	-	-	24	-	1	-	8	-	9	-	25	-	8	-	33	33
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	-	1	1	-	24	-	-	-	24	-	1	-	8	-	9	-	25	-	8	-	33	33
Grand Total	10	38	48	120	681	81	252	180	883	57	93	10	58	67	132	177	813	70	210	247	1023	1270

Details of Training Programme:

Sl. No	Date	Title of the training programme	Clientele	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
								Male	Female	Total	Male	Female	Total	Male	Female	Total
1	09.08.12	Quality seed production	F&FW	Crop Production	Seed Production	1 day	off	22	-	22	3	-	3	25	-	25
2	12.08.11	Quality seed production	F&FW	Crop Production	Seed Production	1 day	on	24	-	24	2	-	2	26	-	26
3	09.08.11	IPM in Sali Rice	F&FW	Plant Protection	Integrated Pest management	1 day	Off campus	24	1	25	-	-	-	24	1	25
4	25.08.11	Pest and Disease Management of Assam Lemon	F&FW	Plant Protection	Integrated Pest management	1 day	Off campus	15	4	19	4	2	19	6	25	25
5	01.09.11	Commercial Broiler Production	RY	Animal Science	Poultry Production	1day	Off campus	8	9	17	8	0	8	16	9	25
6	07.09.11	Integrated Nutrient management in Sali Rice	F&FW	Soil Science	Integrated Nutrient management	1 day	Off campus	32	-	32	-	-	-	32	-	32
7	08.09.11	Nursery pond Management and Composite fish farming	RY	Fishery	Composite Fish farming	1 day	Off campus	16	-	16	9	-	9	25	-	25
8	12.09.11 to 14.09.11	Use and application of ICT	RY	ICT	Capacity building for ICT application	3days	On campus	20	-	30	10	-	10	30	-	30
9	15.09.11	Safe use of chemical Pesticides	F&FW	Plant Protection	Integrated Pest management	1 day	Off campus	25	-	25	-	-	-	25	-	25
10	16.09.11	IPM in Sali Rice	F&FW	Plant	Integrated	1 day	Off	19	6	25	-	-	-	19	6	25

				Protection	Pest management		campus									
11	17.09.11	Disease management of Livestock	F&FW	Animal Science	Disease Management	1 day	Off campus	18	7	25	-	-	-	18	7	25
12	27.09.11	Commercial Cultivation of Pineapple	F&FW	Horticulture	Cultivation of fruit Crops	1 day	Off campus	19	1	20	5	-	5	24	1	25
13	28.09.11 to 30.09.11	Commercial production of Biofertilizers	RY	Soil Science	Production and use of organic inputs	3 days	On campus	17	-	17	3	-	3	20	-	20
14	28.10.11	Rearing of Low input backyard poultry	F&FW	Animal Science	Poultry Production	1day	Off campus	10	26	36	-	2	2	10	28	38
15	01.11.11	Composite Fish farming	F&FW	Fishery	Composite Fish farming	1 day	Off campus	24	-	24	-	-	-	24	-	24
16	02.11.11	Compost preparation by using locally available materials	F&FW	Soil Science	Production and use of organic inputs	1 day	Off campus	18	3	21	2	2	4	20	5	25
17	03.11.11 to 05.11.11	Mushroom Cultivation for Self Employment	RY	Mushroom production	Entrepreuner ship development	3days	On campus	2	23	25	-	-	-	2	23	25
18	04.11.11	Entrepreneurship development of Rural youth	RY	Home Science	Income generation activities for empowerment of Rural Women	1 day	Off campus	-	23	23	-	4	4	-	27	27
19	15.11.11	Commercial cultivation of Solanaceous Vegetables	F&FW	Horticulture	Production of low volume high value crops	1 day	Off campus	22	3	25	-	-	-	22	3	25

20	16.11.11	Scientific cultivation of high value winter vegetables	F&FW	Horticulture	Production of low volume high value crops	1 day	Off campus	14	11	25	-	-	-	14	11	25
21	21.11.11	Feed Management of Cross bred Dairy Cow with special reference to quality fodder supplementation	F&FW	Animal Science	Dairy management	1 day	Off campus	16	12	28	-	-	-	16	12	28
22	03.12.11	Management of SHG for income generation activity	F&FW	Home Science	Income generation activities for empowerment of Rural Women	1 day	Off campus	-	20	20	-	-	-	-	20	20
23	15.12.11	Management Practices of Sugarcane	F&FW	Crop Production	Integrated Crop production	1 day	off	21	-	21	2	3	5	22	3	25
24	16.12.11	Integrated Pest and Disease Management in Boro Rice	EP	Plant Protection	Integrated Pest management	1 day	Off campus	24	-	24	1	8	9	25	8	33
25	19.12.11	Nursery pond Management	F&FW	Fishery	Carp breeding and hatchery Management	1 day	Off campus	21	5	26	-	-	-	21	5	26
26	21.12.11	Scientific cultivation of Plantation crops	RY	Horticulture	Production and management Technology of Plantation Crops	1 day	On campus	22	-	22	1	2	3	23	2	25
27	09.01.12	Commercial Broiler production	RY	Animal Science	Poultry Production	1 day	Off campus	21	26	47	5	-	5	26	26	52

28	15.02.12	IPM in Ahu Rice	F&FW	Plant Protection	Integrated Pest management	1 day	Off campus	17	3	20	2	2	4	19	5	24
29	29.02.12	Integrated Nutrient management in Ahu Rice	F&FW	Soil Science	Integrated Nutrient management	1 day	Off campus	16	2	18	3	-	3	19	2	21
30	06.03.12	Organic cultivation of French Bean	F&FW	Horticultu re	Organic management	1 day	Off campus	7	18	25	-	-	-	7	18	25
31	07.03.12	Commercial cultivation of Black Pepper	F&FW	Horticultu re	Production and management Technology of Spices	1 day	Off campus	7	19	26	3	2	5	10	21	31
32	12.03.12	Integrated Pest and Disease Management in Turmeric and Ginger	F&FW	Plant Protection	Integrated Pest management	1 day	Off campus	19	3	22	3	-	3	22	3	25
33	13.03.12	Organic management of pest and disease in turmeric	F&FW	Plant Protection	Organic management of Pest and	1 day	Off campus	20	-	20	5	-	5	25	-	25
34	14.03.12	Organic management of pest and disease in black pepper	F&FW	Plant Protection	Organic management of Pest and	1 day	Off campus	5	5	10	10	5	15	15	10	25
35	16.03.12	Compost preparation by using locally available materials	RY	Soil Science	Production and use of organic inputs	1 day	Off campus	17	-	17	-	-	-	17	-	17
36	16.03.12	Diseases of Livestock and Poultry	F&FW	Animal Science	Disease management	1 day	On campus	12	7	19	3	3	6	15	10	25
37	19.03.12	Control and management of	RY	Fishery	Composite Fish farming	1 day	0ff campus	16	12	28	1	1	2	17	13	30

		EUS Disease in Fishes														
38	21.03.12	Scientific cultivation of Cucurbitaceous vegetables	F&FW	Horticulture	Production of low volume high value crops	1 day	Off campus	16	4	20	4	1	5	20	5	25
39	23.03.12	Commercial Broiler Production	RY	Animal Science	Poultry Production	1day	on	19	3	22	2	1	3	21	4	25
40	23.03.12	Organic cultivation of Pineapple	F&FW	Horticulture	Organic management	1 day	Off campus	14	11	25	-	-	-	14	11	25
41	24.03.12	Rearing of Low input backyard poultry	F&FW	Animal Science	Poultry Production	1day	off	12	7	19	3	3	6	15	10	25
42	24.03.12	Integrated Fish livestock farming	F&FW	Fishery	Integrated farming System	1 day	Off campus	16	12	28	1	1	2	17	13	30
43	24.03.12	Method demonstration of on commercial vermicompost for Self Employment	RY	Soil Science	Production and use of organic inputs	1 day	Off campus	17	5	22	1	2	3	18	7	25
44	26.03.12	Integrated Pest management in Winter Vegetables	F&FW	Plant Protection	Integrated Pest management	1 day	Off campus	16	8	24	-	1	1	16	9	25
45	26.03.12 to 28.03.12	Preparation of Value added products	RY	Home Science	Value addition	2 day	On campus	-	28	28	-	-	-	-	28	28
46	27.03.12	Management of Cross bred dairy Cow	F&FW	Animal Science	Dairy Management	1day	off	11	13	24	1	-	1	12	13	25
47	29.03.12	Scientific Pig Farming	RY	Animal Science	Piggery Management	1day	on	4	-	4	18	3	21	22	3	25
48	30.03.12 & 31/ 03/12	Scientific Method of Fish Culture for Self Employment	RY	Fishery	Composite Fish farming	1 day	Off campus	12	6	18	3	0	3	15	18	33

(D) Vocational training programmes for Rural Youth : Not conducted

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

(E) Sponsored/ Collaborative 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.	20.01.2012	Drip irrigation in Banana	Horticulture	Water management	1 day	RY	1	31	-	31	-	-	-	31	-	31	Department of Agril. Engineering, AAU, Jorhat-785013	
2.	13.02.2012	Cut flower production and planting material generation	Horticulture	Commercial flower production\	1 day	RY	1	5	28	33	-	17	17	5	45	50	Department of Horticulture, AAU, Jorhat-785013	
Total							2	36	28	64	-	17	17	36	45	81		

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	Total
1.	Field Day	03.01.12 Technology showcasing, Toria	1	47	34	81	40	4	44	1	-	1	88	38	126
2.		24.02.2012 (Multiple use of water)	1	52	23	75	19	3	22	-	-	-	71	26	97
3.		20.03.2012 (System of Rice Intensification)	1	43	16	59	27	11	38	2	-	2	71	27	98
4.		22.03.2012 Water management in Brinjal and Tomato	1	24	10	34	-	-	-	-	-	-	24	10	34
5.		29.03.2012(Mulching)	1	46	-	46	1	-	1	-	-	-	46	-	46
6	Exposure Visit	13.12.2012		15	35	50	-	-	-	-	-	-	15	35	50
7	F.S. Interaction	10.11.2011 Kakorikota, Phuloni, Majuli	1	24	-	24	6	-	6	-	-	-	30	-	30
8		15.12.2011 Bhakatchapori, Majuli	1	33	-	33	-	-	-	-	-	-	33	-	33

9		17.02.2012 KVK,AIR Jorhat	**1**	**18**	-	**18**	**2**	-	**2**	-	-	-	**20**	-	**20**
10	Animal health Camp	19.09.2011,Bongoan(102 Cattle, 104 Goat & 454 poultry	1	23	5	28	2	8	10	3	-	3	41	13	54
11		20.03.2012, Bhagamukh, Hanchara, 99 cattle, 4 buffaloe, 5 pig, 48 goat, 112 poultry	1	46	2	48	1	1	2	3	-	3	50	3	53
12		29.03.2012, Boloma, 130 cattle, 60 Goat	1	41	1	42	-	-	-	3	-	3	45	-	45
13	Awareness camp	16.03.2012 Awareness programme on Climate change and its impact on Agriculture	1												
14		05.03.2012, (Awareness camp on Traditional Rain Water harvesting technology)	1	40	20	60	5	3	8	-	-	-	45	23	68
15		23.03.2011 (Awareness camp on Ornamental Fishery Development)	1	12	16	28	-	-	-	-	-	-	12	16	28
16	PRA exercise	23/08/2011&24/08/2011, Missing Goan,Mariani	1	27	-	27	5	6	11	-	-	-	32	6	38
17		15/12/2011&16/12/2011, Bhakatchapori, Majuli	1	33	-	33	-	-	-	-	-	-	33	-	33

3.5 Production and supply of Technological products

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS	Ahu paddy	Luit	20	10750.00	12
	Sali paddy	Ranjit	40	79035.00	25
		KDML	4	10400.00	3
		Mashuri	2	5200.00	18
		Ranjit (Rice-Fish)	16	41600.00	12
OILSEEDS	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
PULSES	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
VEGETABLES	Longai	Brinjal	500 gm	1000.00	Distributed among 18 KVKs
		Tomato	200 gm	1600.00	Used in KVK Farm
FLOWER CROPS	Marigold	Pusa Narengi	1kg	2500.00	In Stock
	Tuberose	Double	2500 nos	7500.00	Used in KVK farm
OTHERS (Specify)	Goat	Beetal/ Local	2 nos. Kid	1400.00	2

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS (Luit, Ranjit, KDML, Mashuri Ranjit (Rice-Fish))	82	146985.00	70
2	OILSEEDS	-	-	-
3	PULSES	-	-	-
4	VEGETABLES (Brinjal, Tomato)	700 gm	2600.00	18 KVKs
5	FLOWER CROPS (Marigold, Tuberose)	1 kg, 2500 nos.	10000.00	-
6	OTHERS (Goat)	2 Kid	1400.00	2
TOTAL			**160985.00**	**72 Farmers 18 KVKs**

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Banana	Amrit Sagar	2000	10,000.00	25
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
SPICES	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-

VEGETABLES	Cabbage	Pragati Plus	650	390.00	10
	Cauliflaower	NP 2801	650	390.00	8
	Knolkhol	Ball	400	240.00	15
	Tomato	Arjuna	3000	Supplied to the NGO	NGO ‘Sristi’
	Brinjal	Longai	3000	Supplied to the NGO ‘Sristi’	NGO ‘Sristi’
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 - Banana (Amrit Sagar)	2000	10,000.00	25
2	VEGETABLES (Cabbage, Cauliflower, Knolkhol, Tomato, Brinjal	7700	1020.00	33 2 NGO
3	SPICES	-	-	-
4	FOREST SPECIES	-	-	-
5	ORNAMENTAL CROPS	-	-	-
6	PLANTATION CROPS	-	-	-
7	OTHERS	-	-	-
	TOTAL	9700	11020.00	58 Farmers 2 NGO

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS	-	-	-	-	-	-
Others	-	-	-	-	-	-
1.	Vermicompost	*Eisenia foetida*	-	300	3000	Used in KVK Farm
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	-	-	-	-	-
4	Others Vermicompost	*Eisenia foetida*	-	300	3000	Used in KVK Farm
	TOTAL					

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
Cattle	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
SHEEP AND GOAT	GOAT	Beetal/ Local	2 nos. Kid		1400.00	2
	-	-	-	-	-	-
	-	-	-	-	-	-
POULTRY	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
FISHERIES	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
Others (Specify)	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE	-	-	-	-	-
2	SHEEP & GOAT	Beetal/ Local	2 nos. Kid		1400.00	2
3	POULTRY	-	-	-	-	-
4	FISHERIES	-	-	-	-	-
5	OTHERS	-	-	-	-	-
	TOTAL	-	-	-	1400.00	2

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	Indigenous leafy vegetables of North East, India and their uses	Dr. R. Borgohain	
Total			**1**
Technical reports	Monthly Progress Report	KVK Scientists	12
	Bimonthly Review Report	KVK Scientists	6
	Quarterly Review Report	KVK Scientists	4

	Quarterly Monitoring Report	KVK Scientists	4
	DBT Report	KVK Scientists	4
	Annual Action Plan	KVK Scientists	1
	District Contingency plan	KVK, Scientists	1
	Annual Report	KVK Scientists	1
	Newsletter	KVK Scientists	1
	Farmer's Phone Directory	KVK Scientists	1
Total			35
Popular articles	Sishur Bridhi aru bikakhat brishangati dekhise neki	Binapani Deka	1
	Min palanar prarambhik byabathabali	P.K. Saharia	1
	Pukhurit sun proyogr bhumika	P.K. saharia	1
	Udyan saisat plastikor byabohar	R. Phukan	1
	Unnat podhatire kochu kheti	Ira Sharma	1
	Adiniya broiler poali kene hoa uchit	Dr. Pankaj Deka	1
	Thalua Upokoronere Gahorir Khadya Jogan	Dr. Pankaj Deka	1
	Machalar raja Jaluk	Ms. Ira Sarma	1
Total			8
Leaflets/folders	Samannita kukura meen palan padhati	Mr. Abhijit Pal, Dr. R. Borgohain, Tridip Kr. Borbora, Bhaskarjyoti Sarma, Parshjyoti Nath, Mousumi Phukan, Sundar Barman	50
	Dhan khetir husanghata kit patanga nyantran	Ms Mousumi Phukon, Dr. R. Borgohain	50

	bebostha		
	Nemu Khetit syasa Raksha bebostha	Ms Mousumi Phukon, Dr. R. Borgohain	50
	Kit nashak oushadh byboharor samayat lobo loga sabadhanata	Ms Mousumi Phukon, Dr. R. Borgohain	50
	Joibik poddhatire French Beanor Kheti	Ms Ira Sharma, Ms. Mousumi Phukon, Dr. R. Borgohain	50
	Joibik poddhatire Mati kothalor Kheti	Ms Ira Sharma, Ms. Mousumi Phukon, Ms Binapani Deka, Dr. R. Borgohain	50
	Jaibik poddhatira Halodhi Khetit rug aru kit patanga nyantran bebostha	Ms Mousumi Phukon, Ms Ira Sharma, Dr. R. Borgohain	50
	Jaibik poddhatira Jalukari Khetit rug aru kit patanga nyantran bebostha	Ms Mousumi Phukon, Ms Ira Sharma, Dr. R. Borgohain	50
	Samonnnit hah aru mas palon	Mr P K Saharia, Dr. Pankaj Deka, Dr. R. Borgohain	50
	Pukhuri khanan aru sthan nirbachan	Mr P K Saharia, Dr. Pankaj Deka Dr. R. Borgohain	50
	Mahila sabalikaranar sambhabya path	Ms. Binapani Deka, Dr. Pankaj Deka, Dr. R. Borgohain	50
	Drip Irrigation in Banana	Ms R Phukan, Ms. Bibha Ozah, Ms Ira Sharma, Dr. R. Borgohain	50
	SRI poddhatire Dhan Kheti	Ms R Phukan, Ms. Bibha Ozah, Dr. R. Borgohain	50
	Bhut jolokiat Mulchingor bybohar	Ms Bibha Ozah, Ms R Phukan, Ms Ira Sharma, Dr. R. Borgohain	50
	Kukurar Ranikhet Bemar	Dr. Pankaj Deka, Dr. R. Borgohain	50
Total			**751**
Grand TOTAL			**794**

(C) Details of Electronic Media Produced

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

3.7. Success stories/Case studies

Mr. Nabajyoti Bordoloi, S/o Jitendra Nath Bordoloi is a resident of Sonari Gaon, Teok, Jorhat. Basically he is an arts graduate maintaining his own means of livelihood satisfactorily with his livestock venture. He started broiler farming with 150 nos. of day old chicks in 1998. In the begining, he was facing lots of problems like non-availability of quality chicks, feeds, medicines, vaccines in his near vicinity, management of litter, early chicks mortality and occurrence of viral, bacterial and managemental diseases like infectious bursal disease, ranikhet disease, coccidiosis etc. Due to lack of scientific knowledge on management regarding broiler farming, Mr. N. Bordoloi was facing lots of managemental cum disease problem and he was encountering losses in his farm. At last, he visited Krishi Vigyan Kendra, Jorhat to discuss regular problems faced by him. So, KVK, Jorhat provided necessary technological backstopping with adequate training on scientific management of broiler farming to him.

With the newly acquired knowledge and skill and visits to poultry demonstration unit of KVK, Jorhat, he has applied following improved practices-

i. Brooding of day old chicks upto 3rd week of age.

ii. Selection of quality chicks, feed, litter material etc.

iii. Proper use of medicines particularly antibiotics. Previously he used lots of medicine on day to day management practices keeping a prescribed list of medicine in the farm.

iv. Knowledge on vaccine and vaccination. Vaccinations against IBD and Ranikhet disease by proper route of vaccination and at proper time, booster vaccination against Ranikhet disease on 21st day are the key factor for his success.

v. Record keeping and evaluation of economical parameter of every batch of rearing.

With his own capacity, enthusiasm and interaction with KVK Scientist, now he has become one of the progressive farmers in broiler farming. At present he has expanded his farm capacity up to 1500 birds per batch at every 15 days intervals.

Financial development:

Average cost of production in his farm: Rs. 59.50

Average ready bird production per month :5000-6000 kg.

Average wholesale market rate of the area: Rs. 73.00

At present his net profit is around Rs.25000.00 to 30000.00 per batch of farming averaging Rs. 50,000.00 to Rs. 60,000.00 per month. He has also been able to employee three numbers of local youth in his farm. He has started one broiler cutting centre and consistently supplying the broiler meat to the local market.

Recently he has come to KVK, to discuss regarding unconventional method of brooding day old chicks in remote areas where electric power supply is low or nil. KVK scientist designed a bukhari- a wooden stove commonly practicing in northern

region of India in winter season. Presently, in his farm a study is undertaken on efficacy of Bukhari- as an alternate unconventional brooding system for rearing day-old chicks in remote areas.

He always invite KVK scientist for diagnostic visit to his broiler farm. “After getting practical demonstration on post mortem of diseased bird, now, I can easily diagnose dreaded poultry diseases like Infectious Bursal Disease and Ranikhet in the initial stage of infection” he says confidently.

With his own capacity, enthusiasm, interaction with KVK Scientist in terms of training, demonstration, diagnostic visit and up to date knowledge of recent improved practices now he has become one of the progressive farmers in broiler farming in Jorhat district. He has been a source of inspiration for local youth in and around Jorhat district. Looking at his success more numbers of unemployed educated youths have been motivated to take up commercial broiler farming as a source of food and livelihood security.

3.8 Details of innovative methodology/technology developed and used for Transfer of Technology during the year: Nil

3.9 Details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development

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

3.10 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 : 2

ii. No. of farm families selected : 20

iii. No. of survey/ PRA conducted : 2

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment : Not yet established
2. List of equipments purchased with amount : NA

Sl. No	Name of the Equipment	Qty.	Cost
1	-	-	-
2	-	-	-
3	-	-	-
Total			

3. Details of samples analyzed so far :

Month	No. of sample received with date	No. of sample anlysed with date	Farmer's name	Name of place/village from where soil sample was collected	pH of the sample	Major elements analysed			Name of the scientists associated with analysis	Remarks, if any
						N	P	K		
Aug	4 nos. on 18.08.2011	4 nos. on 29.08.2011	Biman Kardong	Bongaon	Slightly acidic to neutral	Very low	Very low	-	Mrs. Bibha Ozah, SMS, Soil Science	Testing was done with the help of Soil testing Kit
			Raju Gogoi	Bongaon	Slightly acidic to neutral	Low	Low	-		
			Dibyajyoti Doley	Bongaon	Slightly acidic to neutral	Low	Low	-		
			Chandra Chetri	Bongaon	Slightly acidic to neutral	Low	Very low	-		
Sept	10 nos. on 12.09.2011	10 nos. on 28.09.2011	Anup Phukan	Kheremia	Slightly acidic to neutral	Very low	Very low	-		
			Gunin Gogoi	Kheremia	Slightly acidic to neutral	Very low	Very low	-		
			Bijoy Gogoi	Bongaon	Neutral to Alkaline	Very low	Low	-		
			Moina Gogoi	Bongaon	Slightly acidic to neutral	Very low	Very low	-		

			Nilu Chetri	Bongaon	Slightly acidic to neutral	Very low	Low	-		
			Raju Gogoi	Bongaon	Neutral to Alkaline	Low	Low	-		
			Bhaben Borah	Jagduwar	Slightly acidic to neutral	Very low	Low	-		
			Sujit Bharali	Jagduwar	Slightly acidic to neutral	Very low	Very low	-		
			Bulu Borah	Jagduwar	Slightly acidic to neutral	Low	Low	-		
			Kukheswar Bharali	Jagduwar	Slightly acidic to neutral	Very low	Low	-		
Oct										
Nov	5 nos. on 07.11.2011	5 nos. on 24.11.2011	Jiban Dutta	Jagduwar Kakoti Gaon	Slightly acidic to neutral	Low	Very low	-		
			Swapanajit Bharali	Jagduwar Kakoti Gaon	Slightly acidic to neutral	Very low	Very low	-		
			Phanindra Saikia	Jagduwar Kakoti Gaon	Slightly acidic to neutral	Very low	Very low	-		
			Atul Borah	Jagduwar Kakoti Gaon	Slightly acidic to neutral	Very low	Low	-		
			Ajit Bharali	Jagduwar Kakoti Gaon	Slightly acidic to neutral	Low	Very low	-		
Dec										

4.0 IMPACT

4.1. Impact of KVK activities

Sl. No.	Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
				Before (Rs./Unit)	After (Rs./Unit)
1	Early Ahu Var. Luit	7	100	6510.00	51900.00
2	Sali paddy var. Ranjit, Mahsuri, Bahadur, Aghoni Bora, Keteki Joha	344	100	12750.00 (As grain)	83410.00 (As seed)
3	Sugarcane Var. Lohit Var. Dhansiri	20	100	52500.00	77100.00
4	Blackgram (KU-301)	8	100	13080.00	26380.00
5	Toria TS- 38 TS- 46	154	100	20750.00	25235.00
6	Dual purpose chicken Vanaraja	1	100	2900.00 per unit of 10 birds	5150.00 per unit of 10 birds
7	French bean var. Arka Anoop	10	100	75000.00	1,10000.00

4.2. Cases of large scale adoption

Activity	Methodology used for analysis	Impact
Establishment of permanent KVK building	Observation, feedback, media reports	▪ New KVK building was inaugurated on 14th March 2012 ▪ People of nearby locality have accepted the KVK whole-heartedly after observing the dedicated working style ▪ Farmers have shown interest on the activities of the KVK ▪ The overall impact of the KVK is good on the farmers, NGOs, other institutes, media personnel and local citizens
Training programmes of KVK	Media report, observation, group discussion	▪ The need-based training programmes of KVK, Jorhat, designed carefully and taking assistance of all possible AV Aids have been imparted by the resource persons from KVK, Assam Agricultural University have created positive impact on farmers, farm women, rural youths and extension functionaries
Demonstration on Early Ahu (var. Luit),	Observation and Group Discussion	▪ Farmers accepted the technology and nearby farmers adopted ▪ Farmers are convinced about prospect of early ahu and planning to go for cultivation of early ahu in the coming season.
Demonstration on Sali paddy (var. Ranjit, Mahsuri, Bahadur, Aghoni Bora, Keteki Joha)	Observation and Group Discussion	▪ After observing the excellent performance of Sali paddy, the farmers become interested to go for large scale cultivation of that varieties in the forthcoming season ▪ Farmers accepted the technology and nearby farmers adopted
Demonstration on Sugarcane (var. Lohit, Dhansiri)	Observation and Group Discussion	▪ Farmers of Majuli showed interest towards the technology after visualizing the difference in yield and economic benefit. ▪ Farmers accepted the technology and nearby farmers adopted
Demonstration on Blackgram (KU-301)	Observation and Group Discussion	▪ Farmers accepted the technology and nearby farmers adopted ▪ Farmers are convinced about prospect of cultivating Blackgram
Demonstration on toria var. TS- 38 TS- 46	Group discussion	▪ Farmers of Majuli showed interest towards the technology after getting benefited economically through cultivation of toria

		▪ Farmers exhibited keen interest towards the toria var. TS 38, TS 46
Demonstration on Organic Farming	Group discussion and personal contact	▪ Farmers become aware about the new technology about the cultivation of French bean under organic farming ▪ Farmers showed interest towards the new technology after getting benefited economically through cultivation of toria ▪ More farmers become aware about public health importance of organic farming
OFT Dual purpose chicken Vanaraja	Observation and personal contact	▪ Concept of rearing of Dual purpose chicken Vanaraja has been adopted by many farmers ▪ One farmer Mr. Himantabiswa Gogoi, Bonai have started with 200 Vanaraja chicks. One batch of 100 chicks is in laying stage. ▪ Consumers of local market well accepted brown shelled eggs and meat of Vanaraja poultry. ▪ Vanaraja poultry farming may be the source of livelihood and food security for rural youth and farm women in Jorhat District.
Advisory services on disease management of Bhut Jalakia	Observation and personal contact	▪ Many farmers of local area were benefited from the advisory services and have adopted the recommended management practices

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

i. Pre training evaluation

ii. Post training evaluation

iii. Observation

iv. Personal contact

v. Group discussion

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. Department of Agriculture, Govt. of Assam	In planning and organizing training programme, demonstrations, field days, farmers-Scientist interaction, District ATMA diagnostic survey, CDAP preparation, resource person in training progeammes
2. Department of Animal Husbandry and veterinary, Govt. of Assam	In planning and implementing training programme and also organizing rural camp for vaccination of farm animals
3. Agricultural Technology Management Agency (ATMA), Jorhat	Conducting collaborative demonstration, training and expert visit.
3. District Rural Development Agency, Jorhat	Conducting collaborative training programmes and resource persons for DRDA training
4. Dairy Development, Jorhat, Assam	In planning and organizing training programme
5. NABARD, Jorhat	Conducting exposure visit, training and acting as resource person in training programmes
6. North East Affected Area Development Society (NGO)	In planning and organizing training programme
8. All India Radio, Jorhat	For coverage of rural programme and broadcasting of Radio-talk on Agriculture
9. SIRD, Jorhat	For conducting training
10. RRTC, Umran, Meghalaya	Conducting exposure visit
11. Central Potato Research Station, Upper Shillong	Conducting exposure visit
12. ICAR Research Complex for NE Hill Region, Umiam, Barapani	Source of technology and conducting exposure visit
13. NRC on Pig, Rani, Kamrup	Source of technology, Source of quality piglets

15. R & D, TATA Tea, Teok, Jorhat	Exchange of resource person, information sharing, exposure visit
16. Central Silk Board, Lahdoigarh	Knowledge sharing, source of information
17. DRDA, Jorhat	Resource person and participant selection

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.)
Rural Knowledge Centre	December, 2009	NABARD, Jorhat	1,50,000.00
RAWEP	August,2012	Govt. of India, ICAR	-
High Tech Fruit Orchard cum nursery	Feb,2012	NHB	75,00,000.00
FPARP Phase II	Nov,2011	Ministry of Water Resources, GOI	6,37,500.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage proposed
1	Governing Body, ATMA, Jorhat	Member
2	Training	As Resource persons
3	Demonstration on Toria at Majuli	Site and farmers selection
4	Farmers – Scientists Interaction	As Resource persons

5	Field Day	Collaborative programme
6	Diagnostic field visit	As specialists
8	Backyard poultry rearing, improved goatery	As specialist

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
	-	-	-
	-	-	-

5.5 Nature of linkage with National Fisheries Development Board

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

No.	Demo Unit	Year of estt.	Area (Sq. m.)	Details of production			Amount (Rs.)		Remark
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Cattle Unit	2010	36.45	HF Cross	Milk	1313lit	14000.00	30,200.00	
2	Vermicompost unit	2010	46.80	Vermicompost	300 kg	300 kg	1800.00	(Used in KVK Farm)	
3	Mushroom Unit	2010	27.00	Oyester	2 kg	10Kg	400.00	100.00	
4	Poultry Unit	2011	44.40	Cobb 400	Broiler meat	1157.7 Kg	69807.00	94909.00	
5	Goattery unit	2011	34.20	Local and Beetal	kid	4 nos	-	1400.00 (Stock 2 kid)	
6	Piggery unit	2010	41.04	Ghungroo	Piglet	-	16000.00	(1 adult boar and 2 adult sow, 1 pregnant)	

7	Rice- Fish-Vegetable Unit	2011	5332 bighas)	Rice- Ranjit, KDML Fish- IMC & minor carp	Fish and Foundation seed	75 Kg. fish, 20 q rice, 50	2400.00	7100.00	
8	Fish pond	2010	50m x 20m	IMC/ Exotic carp	Fish	75.5 Kg	5200.00	7200.00	
9	Green House	2012	12m x 11m	Just handed over by contractor	NA	NA	NA	NA	
10	Azolla production unit	On progress	54.45	Under construction	-	-	-	-	
11	Compost production Unit	On progress	49.92	Under construction	-	-	-	-	

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(Labour, Seed Fertilizer,)	Gross income	
Cereals (Rice)									
Ahu Rice	15.02.2011	04.06.2011	0.30 ha	Luit	Foundation seed	430 Kg	4500.00	10750.00	As Seed @ Rs 2500/ Q
Sali Rice	17.06.2010	23.11.2010	1ha	Ranjit	Foundation seed	3500kg	16690.00	79035.00	
	23.06.2011	02.12.2011	0.50 ha	KDML	Foundation seed	4 Q	8300.00	10000.00	
	25.06.2011	07.12.2011	0.20 ha	Mashuri	Foundation seed	2 Q	3300.00	5000.00	
	18.06.2011	25.11.2011	0.7ha	Ranjit	Foundation seed	16 Q	11600.00	40000.00	

Pulses	20.08.2011	29.11.2011	0.13ha	KU-301	Foundation seed	20 Kg	1160.00	1800.00	As Seed @ Rs 90/ kg
Spices & Plantation crops									
	05.04.2011	10-01-2012	5mx30m	Ginger (Local Variety)	Rhizome	30kg	1000.00	1500.00	As Seed @ Rs 50/ kg
Floriculture									
	20.03.2011	05.01.2012	0.01ha	Tuberose (Double)	Bulbs	2500 nos	2100.00	2500.00	As Seed @ Rs 1/ bulb
	15.10.2011	27.01.2012	500 m2	Marigold(Pusa Narengi)	Seeds	1 kg	2000.00	2500.00	As Seed @ Rs 250/ 100gm
Fruits									
	07.04.2011	03-03-2012	0.2 ha	Banana (Amritsagar)	Suckers	2000 nos	7000.00	10000.00	As Sucker@ Rs 5 / sucker
Vegetables (as seedlings)									
	7.09.2011	Sold as seedlings within a	1m x 2m	Cabbage (Pragati Plus)	F 1 hybrid seedling	650 nos	1500.00	390.00	
	7.09.2011		1m x 2m	Cauliflaower	F 1 hybrid	650		390.00	

		month		(NP 2801)	seedling	nos			
	7.09.2011		1m x 1.5m	Knolkhol (Seoul Ball)	F 1 hybrid seedling	400 nos		240.00	As Seedling@ 60paise/ Seedling
	10.10.2011		1m x 3m	Tomato (Arjuna)	F 1 hybrid seedling	3000 nos		1800.00	
	10.10.2011		1m x 3m	Brinjal(Longai)	TL seedlings	3000 nos		1800.00	
Vegetables (as farm produce)									
	25.09.2011	17.11.2011	3mx 28m	Cabbage (Pragati Plus)	Head	200.00	52 kg	624.00	As Vegetable@ Rs 12/ kg
	25.09.2011	03.12.2011	3mx 28m	Cauliflaower (NP 2801)	Curd	200.00	28 kg	336.00	
	25.09.2011	17.11.2011	3mx 28m	Knolkhol (Seoul Ball)	Knob	150.00	33 kg	396.00	
	30.10.2011	15.12.2011	3mx 28m	Tomato (Arjuna)	Fruits	235.00	17 kg	204.00	
	30.10.2011	07-01-2011	3mx 28m	Brinjal(Longai)	Fruits	150.00	27 kg	324.00	
	10.10.2011	03.12.2011	2mx28m	French Bean(Arka komal)	Pods	200.00	28 kg	336.00	

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	
1	Vermicompost	300 kg	1800.00	Rs. 3000 (@10/kg)	Used in KVK Farm

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	Poultry (Broiler)	Cobb-400	Ready Bird	1157.7 Kg	69807.00	94,909.00	
2	Dairy Cow	HF Cross	Milk	1313 Lit	14000.00	30,200.00	
3	Goat	Local and Beetal	Kid	4	-	1,400.00	Stock 2 kid
4	Pig	Ghungroo	Piglet	-	16000.00	-	1 adult boar and 2 adult sow, out of which one sow is pregnant.
5	Fish	IMC and Minor Carp	Fish	152.5 Kg	7600.00	14,300.00	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
05.03.2011	Awareness camp on traditional water harvesting structure	RY	1	40	20	60	5	3	8

6.5 Utilization of hostel facilities (Month Wise):

Accommodation available (No. of beds) : 24

No activities started (Handed over by the contractor on 05.02.12)

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)
-	-	-	-	-	-
Total					
Grand total					

6.6 Utilization of hostel facilities (Month Wise):

Accommodation available (No. of beds) : 24

No activities started (Handed over by the contractor on 05.02.12)

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)
-	-	-	-	-	-
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	SBI, AAU, Branch	Assam Agricultural University, Jorhat	10253825316
With KVK	SBI, Teok	Teok	30240073924

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

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

7.3 Utilization of KVK funds during the year 2011 -12

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	**55.00**	**55.00**	**55.00**
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)	1.60	1.60	1.60
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)	6.40	-	-

G	Training of extension functionaries		-	-
H	Maintenance of buildings		6.40	6.40
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Library	-	-	-
TOTAL (A)		8.00	8.00	8.00
B. Non-Recurring Contingencies				
1	Works	-	-	-
2	Fencing (new)	15.00	15.00	Not utlised
3	Demo units(New)	10.77	10.77	5.00 (Green House)
4	Library (Purchase of assets like books & journals)	0.10	0.10	0.10
TOTAL (B)		25.87	25.87	
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**90.27**	**90.27**	

7.4 Status of revolving fund (Rs. in lakhs) for last 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 2009 to March 2010	1.00	0.02937	Nil	1.02937
April 2010 to March 2011	1.02937	0.12512	0.14042	1.01407
April 2011 to March 2012	1.01407	2.37341	1.24463	2.31285

8.0 Information which has not been reflected above

- One Project on **"ESTABLISHMENT OF HIGH TECH FRUIT NURSERIES"** has been started from Jan'2012. The total area under this project is one ha, distributed as 0.5 ha for Guava and 0.5 ha for Litchi. Total amount of Rs. 27.85 lakhs has been allotted for five years.
- Cultivation of Bhoot Jalakia and tomato has been started with drip irrigation facilities in the Green house at KVK campus. Crops are presently in fruiting stage.
- **Rural Knowledge Centre :**

The process of transforming Jorhat district to an e-district by implementing ICT-led extension system in collaboration with NABARD has been initiated by KVK, Jorhat. The process of technology dissemination can be enhanced by introduction of ICT tools in the extension system. The total amount of Rs. 2.40 lakhs has granted from NABARD. Different trainings have been conducted under ICT for rural youth. SMS services has been carried out for technology dissemination which will help the farmers to gathered more information.

- A farmers-scientist interaction was organized during QRT visit to KVK, Jorhat on 25-04-2011.

8.1 Constraints

a) Administrative

- Lack of provision for boundary wall
- Inadequate periodic HRD programmes for KVK staff

b) Technical

- Lack of diagnostic laboratory
- Weak internet connectivity
- Lack of AES wise technology

c) Financial

- Late allocation of funds