



ANNUAL REPORT

2011 - 12



KRISHI VIGYAN KENDRA, SIVASAGAR

Assam Agricultural University

Rahdoipukhuri Via Santak

PIN - 785 687, Assam

www.aau.ac.in/dee/Kvk_nazira/index.html

ANNUAL REPORT OF KVK, SIVASAGAR 2011-12 (April, 2011 to March, 2012)

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, Sivasagar, Assam PO: Rahdoipukhuri Via Santak PIN : 785687 www.aau.ac.in/dee/Kvk_nazira/index.html	9435155361	NA	kvksivasagar@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat -785013	0376-2340029	0376-2340029	registrar@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Phuleswar Nath	NA	09954411012	phuleswarnath@rediffmail.com

1.4. Year of sanction: 2003

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/ Others)
1	Programme Coordinator	Dr. Phuleswar Nath	Programme Coordinator	Plant Pathology	37000-67000	53820	22.11.08	Permanent	OBC
2	Subject Matter Specialist	Mrs. Arunima Bharali	SMS	Nematology	15600-39100	23610	06.11.08	Permanent	OBC
3	Subject Matter Specialist	Mr. Prodip Handique	SMS	Agril. Extension	15600-39100	23610	07.09.11	Permanent	OBC
4	Subject Matter Specialist	Mr. Rupjyoti Borah	SMS	Soil Science	15600-39100	23610	10.08.11	Permanent	OBC
5	Subject Matter Specialist	Miss Luna Baroah	SMS	Horticulture	15600-39100	21600	04.08.11	Permanent	General
6	Subject Matter Specialist	Dr. Rafiqul Islam	SMS	Animal Science	15600-39100	21600	05.08.11	Permanent	General
7	Subject Matter Specialist	Mr. Ajoy Sankar Borah	SMS	Agronomy	15600-39100	21600	23.08.11	Permanent	OBC
8	Programme Assistant	Abdur Rahman	Programme Assistant	Fishery Science	8000-35000	12900	08.09.11	Permanent	General
9	Computer Programmer	Sri Juga Rashmi Borah	Programme Assistant (Computer)	Computer	8000-35000	16300	11.11.08	Permanent	OBC
10	Farm Manager	Dr. Binay Kr. Ray	Farm Manager	Agril. Bio technology	8000-35000	16300	06.01.09	Permanent	OBC
11	Accountant / Superintendent	Miss Rashmirekha Saikia	Office Supdt cum Accountant	Agri-Business Management	8000-35000	12900	22.02.12	Permanent	OBC
12	Stenographer	Mrs. Karabi Borgohain Phukan	Jr. Steno cum com. operator	Bachelor of Arts	5200-20200	8000	18.02.12	Permanent	OBC
13	Driver	Joy Chandra Bora	Driver cum Mechanic	-	5200-20200	7400	22.02.12	Permanent	OBC
14	Driver	Phanidhar Gogoi	Driver cum Mechanic	-	5200-20200	7400	22.02.12	Permanent	OBC
15	Supp. staff	Baneswar Gogoi	Grade IV	-	4560-15600	8700	20.12.07	Permanent	OBC
16	Supp. Staff	Vacant							

1.6. Total land with KVK (in ha): 13.7 ha

Sl. No.	Item	Area (ha)
1.	Under Buildings	0.800
2.	Under Demonstration Units	0.014
3.	Under Crops	2.000
4.	Orchard/Agro-forestry	-
5.	Others (specify)	-

1.7. Infrastructural Development:**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR						Yet to be started
2.	Farmers Hostel	-do-					305	Yet to be completed
3.	Staff Quarters (6)	-do-					298	95% completed
4.	Demonstration Units (2)	RKVY		140.26				
5	Fencing /Boundary wall	ICAR					128 m	95% completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall Jeep	2005-06	4,90,503.00	52280	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Kilburn Mita Digital Copier	2006	48,360.00	Good
Digital photo copier	2010-11	101920.00	Good
2KVA Voltage stabilizer	2006	3,375.00	Good
Duplicating machine	2005	43,686.00	Not in working condition
Desktop Computer	2006	27,101.00	Good
Desk Top Computer	2010	55,094.00	Good
Laptop	2010	31547.00	Good
Laser Printer	2006	9,605.00	Good
Laser Printer	2010	5475.00	Good
1KVA UPS	2006	5,951.00	Good
Scanner	2006	3,549.00	Good
Scanner	2010	2724.00	Good
Digital Camera	2005-06	15,080.00	Good
Digital Camera	2010	19000.00	Good
Fax Machine	2005-06	25,792.00	Good
Fax Machine	2010	15190.00	Good
Cassette Player with Amplifier	2005-06	5,625.00	Good
Microphone with stand	2005-06	6,300.00	Good
300 watts Sound Box with 15" Speaker	2005-06	11,250.00	Good
LCD Projector	2005-06	55,016.00	Good
UPS	2009-10	2150.00	Good
Weather station	2012	45,000.00	Good

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

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

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 – Hort – AH
2.	Agri – Hort – AH – Fishery
3.	Agri – Hort – AH – Seri
4.	Hort – Agri
5.	AH
6.	AF – Agri

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	<ul style="list-style-type: none"> ❖ This zone covers 160789 sq/ km ❖ Hot and wet summer climate ❖ Maximum temperature 37°C ❖ Minimum temperature 7°C ❖ Relative Humidity : 96% ❖ Heavy rainfall: March, April and May ❖ Very cold during January and February ❖ Dry weather: Mid October – Mid December

2.3 Soil type(s)

Sl. No	Soil type	Characteristics	Area in ha
1.	Inceptisol (Old Alluvial)	The texture of surface soil ranges from fine loamy, coarse loamy, coarse silty and fine soil. 58 percent of the soil area is categorized under fine loamy soil of inceptisol	136863
2.	Entisol (Recent Alluvial)		68116

Source : SREP, Sivasagar

2.4. Area, Production and Productivity (2009-2010) of major crops cultivated in the district

Sl. No	Crop	Area (ha)	Production (Mt)	Productivity (kg/ha)
1	Winter paddy	106726.00	373541	3500
2	Autumn Paddy	445.50	922	2070
3	Summer paddy	13.78	27	2000
4	Wheat	84.20	59	710
5	Green Gram	30.50	20.7	680
6	Black Gram	250.00	177	710
7	Peas	333.00	193	580
8	Rapeseed & Mustard	1263.00	884	700
9	Sugarcane	87.00	5220	60000
10	Jute	58.75	616	10500
11	Banana	1887.00	28682	15200
12	Orange	185.00	300	1625
13	Pineapple	175.50	2562	14600
14	Papaya	151.00	1891	12525
15	Areca nut	3175.00	3365	1060
16	Coconut	493.00	-	80 nuts/plant
17	Litchi	43.00	183	4270
18	Mango	89.00	382	4300
19	Jackfruit	445.00	10956	24621
20	Assam lemon	810.00	5038	6220
21	Other fruits	22.00	121	5530
22	Onion	80.50	162	2020
23	Ginger	196.27	1095	5580
24	Turmeric	230.13	140	610

25	Chilli	100.34	68	680
26	Black pepper	42.20	21	500
27	Garlic	39.50	23	600
28	Coriander	24.00	-	-
29	Kharif vegetables	1882.00	16712	8880
30	Rabi Vegetables	3236.00	22684	7010
31	Potato	945.00	5953	6300

2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
Apr., 2011	156.0	29.9	20.8	76.9
May, 2011	175.0	33.2	21.5	77.1
Jun., 2011	278.0	35.1	22.3	79.2
Jul., 2011	447.4	34.3	23.1	80.2
Aug., 2011	134.3	36.5	26.3	77.8
Sept., 2011	393.7	34.2	25.8	79.6
Oct., 2011	106.2	31.9	22.7	77.2
Nov., 2011	13.0	27.3	20.7	69.3
Dec., 2011	7.4	23.8	18.7	67.4
Jan., 2012	10.6	24.7	13.8	65.0
Feb., 2012	0.00	25.8	19.7	57.0
Mar., 2012	85.1	28.2	18.7	67.3

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	15009		
<i>Indigenous</i>	449447		
Buffalo	27178		
Sheep	271		
<i>Crossbred</i>			
<i>Indigenous</i>			
Goats	158757		
Pigs	62994		
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits			
Poultry	687506		
Hens			
<i>Desi</i>			
<i>Improved</i>			
Ducks	360564		
Turkey and others			

Category	Area (Ha)	Production (MT)	Productivity
Fish	44163	11100	
<i>Marine</i>			
<i>Inland</i>	44163	11100	
Prawn			
Scampy			
Shrimp			

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

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Sivasagar sub-Division	Sivasagar block	Batbari, Cherekapar, Nemuguri, Hanhsora, Gargaon, Rajabari, Rajmai, Bakata.	Rice, Tea, Horticulture crops	Pests and diseases, flood	Rice, Tea, dairy, piggery, fishery, Horticulture crops
		Demow block	Rajabari, Netaipukhuri, Sukhanpukhuri, Demow, Disangmukh, Panbesa, Konwarpur, Jhanji	Rice, mustard, vegetables and horticultural crops	Low productivity, pests and diseases.	Rice, mustard, vegetables, pea, black gram.
		Gaurisagar block	Rangpur, Rudrasagar, Magarkhat, Dikhowmukh, Kanamukh	Rice, vegetables, fishery, poultry, piggery.	Low productivity, pests and diseases. Flood occurrence.	Rice, fishery, vegetable crops, contingency planning.
2.	Amguri sub-division	Amguri block	Namti, Amguri, Lalimchiga, Khanikar, Samguri, Tarabari, Haluating	Rice, mustard, wheat, horticultural crop.	Pests and diseases. Low productivity of citrus.	Rice, horticultural crop, rejuvenation of citrus plantations.
3.	Nazira sub-division	Nazira block	Nazira, Simologuri, Namti, Galeki, Dhopabar, Hanhsora, Bartala, Ligiripukhari, Chauak, Bihubar, Mesagarh, Rohdoipukhuri.	Rice, wheat, jute, potato, sugarcane, piggery, fishery, dairy.	Low production, pest and disease incidence.	Management of production technology.
4.	Sonari sub-division	Sonari block	Lakua, Safrai, Sapekhati, Mathuranagar, Dolbagan, Borhat, Bhojo, tengapukhuri, Sepon, Abhoipur, Maibela.	Rice and horticultural crops, banana, pine apple, coconut, wheat.	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, coconut, mustard.

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	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
Crop Prodn.	2	2	4	4	2	2	7	7
Horticulture	0	1	0	2	3	3	7	7
Soil Sc.	1	1	5	5	-	-	-	-
Pl. Protn.	-	-	-	-	2	2	20	20
An. Sc.	-	-	-	-	1	1	5	5

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	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
Farmers	45	61	1125	1611	10	13	850	1156
Rural youth	6	7	150	165				
Extn.Funct.	0	0	0	0				

Seed Production (Qt.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
Paddy Var. Ranjit: 16.0 q	10.0		
Toria Var. TS 38 : 4.0 q	3.0		

3.B. Abstract of interventions undertaken

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	Promotion of improved varieties	Paddy	Low yield of existing submergence tolerant paddy variety	Performance of submergence tolerant paddy variety Swarna Sub-1	-	-	-	-	Seeds & fertilizers
2				Performance of submergence tolerant paddy variety TTB-303-2-42	-	-	-	-	Seeds & fertilizers
3			Low yield of existing glutinous paddy variety		Performance of glutinous paddy variety Aghoni Bora	Scientific production of winter paddy		Field Day	Seeds & fertilizers
4			Low yield of existing aromatic paddy variety		Performance of aromatic paddy variety Bokul Joha	Scientific production technology of winter paddy			Seeds & fertilizers
			Non Popularization of IPM module		Biocontrol of stem borer and leaf folder in Sali rice			Field day	Seed, fertiliser and Trichocard
			Non Popularization of IPM module		Biointensive IPM for rice stem borer				Seed and Trichocard
5			Banana	Non availability of disease free quality banana suckers		Performance of tissue culture banana var. Amritsagar			

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.
6		Poultry	Lower production performance of existing backyard poultry	-	Performance of 'Van araja variety as dual purpose backyard poultry'	Scientific poultry production	-	-	DOC, Feed, Medicine and Vaccine
7.	Varietal evaluation	Brinjal	Insufficient high yielding suitable brinjal variety	Performance of brinjal var. Longai (Longai round shaped & Longai elongated shape)			-		Seeds
8	INM	Toria	Maintenance of soil health by use of chemical fertilizers is a problem and high cost of chemical fertilizers	INM in Toria	-	Soil management practices for sustained soil fertility	-	-	Seeds, fertilizers, PSB and Azotobacter
9	IPM	Paddy	Management of stem borer and leaf folder using chemical is high cost intensive and hazardous		Management of stem borer and leaf folder by Trichocard	IPM in winter paddy		Field Day	Seed, fertilizer, Trichocard
10	IPM	Paddy	Bio-intensive IPM against stem borer of rice		Bio-intensive IPM against stem borer of rice	IPM in winter paddy			Seed, fertilizer, Trichocard

cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

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

11. Results of On Farm Trials

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C. Ratio
Submergence tolerant paddy variety Swarna Sub-1	Low yield of existing submergence tolerant paddy variety	Variety Swarna Sub-1	1	Plant height= 102 cm Tiller no=11 Penicle length= 20cm Yield: 44.5 q/ha	Farmers are satisfied with the variety and are willing for growing in the next year	Variety can be recommended for the district	1.42
Submergence tolerant paddy variety TTB-303-1-42	Low yield of existing submergence tolerant paddy variety	Variety TTB-303-1-42	3	Plant height=125cm Tiller no= 14 Penicle length= 24 cm Yield: 48 q/ha	Farmers are satisfied with the variety and are willing for growing in the next year	Variety can be recommended for the district	1.53
Performance of Brinjal var. Longai (Longai Round shaped & Longai Elongated shaped)	Insufficient high yielding suitable brinjal variety	Var. Longai (Longai Round shaped & Longai Elongated shaped)	2	Plant height=60cm Branch/plant=6 Av.fruit weight=550g Yield/plant=3kg Yield=320q/ha	The farmers are willing to take up the variety in a large scale in the coming season	Variety can be recommended for the district	1.77
INM in Toria	Maintenance of soil health by use of chemical fertilizers is a problem and high cost of chemical fertilizers	N: P ₂ O ₅ : K ₂ O @ 45: 22.5: 22.5 kg/ha and biofertiliser Azotobacter and PSB	5	Yield: 8.96q/ha	Farmers are satisfied with the technology keeping in view the cost and comparable yield	The technology can be recommended for farmers	1.23

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

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

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2011-12 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Toria	Variety TS-36	3	65	15

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

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

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, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1.	Paddy	ICM	Glutinous paddy variety Aghoni Bora	Kharif 2011	1ha	1ha	-	4	4	-	Rainfed, clay loam	-	-	-
2.	Paddy	ICM	Aromatic paddy variety Bokul Joha	Kharif 2011	1ha	1ha	-	3	3	-	Rainfed, clay loam	-	-	-
3.	Paddy	IPM	Management of stem borer and leaf folder using trichocard.	Kharif 2011	4ha	4ha	-	15	15	-	Rainfed, clay loam	-	-	-
4	Paddy	IPM	Bio-intensive IPM against stem borer of rice	Kharif 2011	4ha	4ha		5	5	-	Rainfed, clay loam			
5.	Banana	ICM	Banana	2011	1ha	1ha	-	7	7		Rainfed, sandy loam			
6.	Poultry	Popularization of improved variety	Dual purpose backyard poultry	2011	5 nos.	5 nos.	1	4	5	-	-	-	-	-

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)		Economic Impact				Technical Feedback on the Demonstrated Technology	Farmers' Reaction on specific Technologies
								Average Net Return (Profit) (Rs./ha)		B.C. Ratio			
		H	L	A		Demo	Local Check	Demo	Local Check				
										Demo	Local		
1	Paddy (Glutinous)	46	40	43	28.5	43.0	28.5	12400	5200	1.54	1.30		
2	Paddy (Aromatic)	38	34	36	26.7	36.0	26.7	14000	8700	1.63	1.24		
3	Paddy	50	46	48	42.0	48	42	16400	13600	1.74	1.68	-	Farmers are satisfied with the technology
4	Paddy	45	41	43	39	43	39	12400	9200	1.54	1.47	-	-
5	Banana	590	510	550	400	550	400	82500	60000	3.78	2.79	-	
6	Poultry	1.7 kg/bird in 2 months	1.3 kg/bird in 2 months	1.5 kg/bird in 2 months	0.35kg/bird in 2 months	1.5 kg/bird in 2 months	0.35kg/bird in 2 months	Yet to be assessed	Yet to be assessed	Yet to be assessed	Yet to be assessed	The FLD is initiated in Feb, 2012	More than 500 birds have been distributed so far.

NB: Attach few good action photographs with title at the back with pencil

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	1	29.11.11	24	
2	Farmers Training	1	20.7.11	35	
3	Media coverage				
4	Training for extension functionaries				

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Self propelled paddy transplanter	Ahu rice	10	1.5	Population stand	100% population stand	90% population stand	10%	The Machine was seized during the demonstration. It seems the power of the machine is not suitable for our soil type.

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Poultry	Vanaraja	5	50	Average body weight, yearly egg production	1.5Kg Av in 2 mnt	0.350Kg Av in 2 mnt	NA	More than 500 DOC have been distributed so far.

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

(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		
Mushroom								
Apiary								
Sericulture								
Vermicompost	<i>Eisenia foetida</i>	5	5	Vermicompost		-	-	Initiated in the month of December, 2011

Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards	-	1	1	-	26	-	2	-	-	-	-	-	-	-	-	-	26	-	2	-	28	28
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																						

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																						

NB: Details of training programmes conducted at KVK , Sivasagar for the year 2011-12 is enclosed in Annexure-I

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed elsewhere
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Dress Designing and tailoring	3.02.12 onwards	Dress Designing and tailoring	Lack of skill in dress designing among farm women	7 days	0	14	14				

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl.No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/R/EF)	No. of courses
1	2	3	4	5	6	7	8
1	19.08.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
2	23.08.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
3	25.08.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
4	25.08.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
5	09.09.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
6	13.09.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
7	22.09.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
8	27.09.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
9	14.10.11	Fish Farming Technology	Fishery	Fish Prodn	1	PF	1
10	01.11.11	Scientific production of important horticultural crop in NE India	Horticulture	ICM	1	RY	1
11	01.11.11	Scientific production of important horticultural crop in NE India	Horticulture	ICM	1	RY	1
12	04.11.11	Scientific production of winter paddy	Crop Prodn	ICM	1	PF	1
13	05.11.11	Nursery management and propagation of horticulture crops	Horticulture	ICM	1	RY	1
14	15.11.11	Fish Farming Technology	Fishery	Fish Prodn	1	PF	1
15	07.12.11	Integrated farming system-Horticulture & Fishery Management	Horticulture	ICM	1	RY	1
16	07.12.11	Integrated farming system-Horticulture & Fishery Management	Horticulture	ICM	1	RY	1
17	16.12.11	Scientific fish farming	Fishery	Fish Prodn	1	PF	1
18	24.12.11	Scientific fish farming	Fishery	Fish Prodn	1	PF	1
19	31.01.12	Leadership development	Agril. Extension	Leadership development	1	RY	1
20	02.02.12	Agricultural marketing for farmers group	Extension	Agricultural marketing	1	RY	1
21	14.02.12	Scientific fish farming	Fishery	Fish Prodn	1	PF	1
22	18.02.12	Drip irrigation in banana and citrus	Horticulture	ICM	1	RY	1
23	18.02.12	Drip irrigation in banana and citrus	Horticulture	ICM	1	RY	1
24	22.02.12	Integrated horti-fish farming	Fishery	Fish Prodn	1	RY	1
25	23.02.12	Integrated pig-fish and duck-fish culture	Fishery	Fish Prodn	1	RY	1
26	24.02.12	Scientific fish farming	Fishery	Fish Prodn	1	PF	1
27	29.02.12	Scientific fish farming	Fishery	Fish Prodn	1	PF	1
28	01.03.12	Composite Fish Farming	Fishery	Fish Prodn	1	RY	1
29	14.03.12	Scientific <i>ahu</i> rice cultivation	Crop Prodn	ICM	1	PF	1
30	15.03.12	Scientific <i>ahu</i> rice cultivation	Crop Prodn	ICM	1	PF	1
31	16.03.12	Scientific <i>ahu</i> rice cultivation	Crop Prodn	ICM	1	PF	1
32	27.03.12	Scientific <i>ahu</i> rice cultivation	Crop Prodn	ICM	1	PF	1
33	28.03.12	Scientific <i>ahu</i> rice cultivation	Crop Prodn	ICM	1	PF	1
34	29.03.12	Scientific <i>ahu</i> rice cultivation	Crop Prodn	ICM	1	PF	1

No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
Others			SC/ST			Total				
Male	Female	Total	Male	Female	Total	Male	Female	Total		
9	10	11	12	13	14	15	16	17	18	19
19	7	26	0	0	0	19	7	26	ATMA, Cirakhunda	
22	3	25	0	0	0	22	3	25	ATMA, Sivasagar	
18	4	22	0	0	0	18	4	22	ATMA, Sivasagar	
14	2	16	0	0	0	14	2	16	ATMA, Dhopabor	
25	7	32	0	0	0	25	7	32	ATMA, Konwarpur	
16	1	17	0	0	0	16	1	17	ATMA, Dhopabor	
16	1	17	6	0	6	22	1	23	ATMA, Sivasagar	
14	2	16	0	0	0	14	2	16	ATMA, Sivasagar	
0	0	0	27	0	27	27	0	27	DRDA, Sivasagar	
18	0	18	0	0	0	18	0	18	EEKHYON (NGO)	
18	0	18	0	0	0	18	0	18	EEKHYON (NGO)	
15	7	22	0	0	0	15	7	22	ATMA, Konwarpur	
45	15	60	0	0	0	45	15	60	EEKHYON (NGO)	
0	0	0	26	0	26	26	0	26	DRDA, Sivasagar	
0	0	0	31	0	31	31	0	31	DRDA, Sivasagar	
0	0	0	31	0	31	31	0	31	DRDA, Sivasagar	
5	6	11	0	0	0	5	6	11	NABARD, Sivasagar	
11	12	23	0	0	0	11	12	23	NABARD, Sivasagar	
0	0	0	0	34	34	0	34	34	NABARD, Sivasagar	
40	0	40	8	0	8	48	0	48	ATMA, Sivasagar	
11	0	11	1	0	1	12	0	12	NABARD, Sivasagar	
50	0	50	0	0	0	50	0	50	Technology Mission, AAU	
50	0	50	0	0	0	50	0	50	Technology Mission, AAU	
4	0	4	11	0	11	15	0	15	RKVY	
2	0	2	7	0	7	9	0	9	RKVY	
19	1	20	0	0	0	19	1	20	NABARD, Sivasagar	
19	1	20	0	0	0	19	1	20	NABARD, Sivasagar	
26	5	31	0	0	0	26	5	31	SDAO, Nazira	
15	8	23	0	0	0	15	8	23	ATMA, Sivasagar	
15	0	15	0	0	0	15	0	15	ATMA, Sivasagar	
15	14	29	0	0	0	15	14	29	ATMA, Sivasagar	
28	06	34	0	0	0	28	6	34	ATMA, Sivasagar	
21	10	31	0	0	0	21	10	31	ATMA, Sivasagar	
14	03	17	0	0	0	14	3	17	ATMA, Sivasagar	

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

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	29.11.11	3	21	3	24	0	0	0	0	0	0	21	3	24
		01.12.11		47	4	51	0	0	0	0	0	0	47	4	51
		22.03.12		60	30	90	2	8	10	0	0	0	62	38	100
2.	Exhibition	6 th to 8 th Jan, 2012	2												
		10 th to 12 th Feb, 2012													
3.	Exposure Visit	12.11.11	1	37	28	65	1	5	6				38	33	71
4.	Awareness camp	27.2.12	3	20	8	28	3	0	3				23	8	31
		29.2.12		22	8	30	1	0	1				23	8	31
		14.03.12		45	57	102	0	0	0	0	00	0	45	57	102
5.	PRA exercise	20.12.11	2	18	8	26	0	0	0	0	0	0	18	8	26
		15.3.12		22	3	25	0	0	0	00	0	0	22	3	25
6.	Diagnostic field visit	-	83	270	42	312	55	10	65	0	0	0	325	52	377
7.	Farmers visit to KVK	-		110	55	165	30	15	45	0	0	0	140	70	210
8.	Horizontal spreading of Vanraja DOC	-	500 DOC	3	0	3	0	0	0	0	0	0	3	0	3
9.	Animal Vaccination	-	5 Puppies	5	0	5	0	0	0	0	0	0	5	0	5
10.	Awareness on Climate Change	20.03.12		94	26	120	0	0	0	0	0	0	94	26	120
11.	Celebration of Water Day	22.03.12	-	38	62	100	0	0	0	0	0	0	38	62	100
	Grand Total			812	334	1146	92	38	130	0	0	0	904	372	1276

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	Rice	Ranjit	10	15000.00	
OILSEEDS	Toria	TS 38	3.0	15000.00	
PULSES					
VEGETABLES					
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	10.0	15000.00	
2	OILSEEDS	3.0	15000.00	
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
TOTAL		13.0	30,000.00	

PLANTING MATERIALS

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

BIO-PRODUCTS

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

SUMMARY

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

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
	Cattle					
	SHEEP AND GOAT					
	POULTRY					
	FISHERIES					
	Others (Specify)					

SUMMARY

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

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

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

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers	Sustainability through bio resource utilization in an integrated Fish- Livestock – Horticultural crop farm published in Abstract book- International seminar on bio resource and human sustenance held on 22nd Oct, 2011 at Cotton College, Guwahati organized by Deptt. of Zoology, Cotton College and Zoological Society of Assam.	Borah, B. C., Gogoi, R. & Rahman, A.	-
	“Distribution and Traditional cultivation practices of important Bamboo species in Papum pare district of Arunachal Pradesh” published in Assam University journal of Science and Technology; Biological and Environmental Sciences, Vol. 9 No 1 (2012)	Handique, P. , Dutta, B. K., Das, A. K. & Rethy, P.	-
	Blood chemical profile in indigenous chicken of Assam published in <i>Indian Vet. J, Dec, 2011, vol 88(12): 59-61</i>	Kalita, N., Barua, N., Sarmah, S., Islam, R. and Pathak, N.	-
	Effect of life and duration of exposure in counteracting Aflatoxin B1 in broken rice published in <i>Indian J.Anim.Sci.</i> , April, 2011 Vol 81(4): 380-381	Sapcota, D., Islam, R. , and Borah, M.	-
	Egg quality and carcass characteristics of Vanaraja and indigenous chicken reared under intensive system published in <i>Indian vet. J.</i> , Oct, 2011 Vol88(10): 66-68	Kalita, N., Barua, N., Chutia, H., Islam, R. , Pathak, N. and Kalita, R.	-
Total	5 nos		
Technical reports	Monthly/ Quarterly & Half Yearly Reports ZREAC Report Annual Report to AAU	All SMS	
Popular articles	Cultivating carrot profitably	Luna Barooah	
	Precision Farming	Prodip Handique	
	Banana cultivation-a profitable business	Luna Barooah	
	Duck rearing- A viable option for self employment	Dr. Rafiqul Islam	
	Production of Citrus crops	Luna Barooah	
	Production technology of Brinjal cultivation	Luna Barooah	
	Diseases of fish during winter season and their remedial measures	Abdur Rahman	
	How to cultivate Marigold.	Luna Barooah	
	Management practices of Brinjal cultivation	Luna Barooah	
	Production technology of cucumber	Luna Barooah	
	Problems of tomato cultivation & their management	Luna Barooah	
	Tomato cultivation	Luna Barooah	
	How to apply lime in fish pond.	Abdur Rahman	
	Production technology of summer vegetables	Luna Barooah	
Total	15		

Chapter in Book	Soils of Assam	Borah, R.	
	Soil Testing	Borah, R.	
	Essential elements of plant nutrition	Borah, R.	
	Scientific cultivation of vegetables	Sharma, R.; Borah, R. and Sharma, B.J.	
	Scientific Cultivation of betelvine	Borah, R.	
Total	5		
Leaflets/folders	Cares to be taken during handling of chemical pesticides	A. Bharali, P. Nath, R. K. Dutta & R. J. Phukan	500
	Bird flu	Dr. R. Islam and Dr. P. Nath	200
Total	2		700
Grand TOTAL	27		700

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

(C) Details of Electronic Media Produced

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

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)**Success story of Toria variety TS-36**

Sivasagar district cultivation of oilseed and pulse crop is limited because of high soil pH and clay content. Generally the areas in the river banks are used for cultivation of oilseed and pulse crop. But due to commercialization of agriculture these areas are converted to high remunerative vegetable crops. Hence, the area covered under pulse and oilseed is very less. During a training programme in the year 2009, the KVK Scientists interacted with some farmers of Tribeni Krishak Sangha, Gopalpur, Sivasagar. When told about the possibility of toria crop in the riverbanks, 3 members of the Sangha visited the KVK, Sivasagar. They initially started with cleaning of 10 ha of fallow land covered by ipomea weeds. As planned, the ipomea weeds were uprooted manually plot of land of about 9 ha were made ready for toria cultivation. A front line demonstration was conducted in the village wherein 4 ha of toria variety TSD 36 was demonstrated. Another 4 ha was covered by the local variety. The crop stand was very satisfactory yielding 11.9 qt/ha in the demonstrated plot and 6.56 qt/ha in local variety. They sold 50% of the total production to oil traders @ Rs. 1950.00 per quintal and obtained Rs. 46410.00. Out of the remaining produce, 21.6 q were used for oil extraction, which met the demands of the households for considerable part of the year. The oilcake produced was used as fish and dairy feed. A part of the seed produced were used by the ladies for preparation of traditional culinary pani tenga and kharoli. The farmers were very satisfied with the performance of the variety TS-36 as regards to the yield and oil recovery percentage. Further some women SHGs of the village, Gopalpur also trying to add value to their product by producing very popular Mustard oil "Poka Mitha Tel". The working spirit of the farmers in the village is praiseworthy. The Krishi Vigyan Kendra, Sivasagar adopted the village and more number of trainings and demonstrations on scientific methods of cultivation were given to them. This has shown tremendous results in the agricultural production of the village viz., paddy, vegetables and toria. More particularly, the area coverage under toria Var. TS-36 in the village has increased to 15 ha in 2010. PRA conducted in the year 2012 reflects area coverage under the same variety is 26 ha with a production of 390 q with a market value of 8,97,000.00. The variety also spread to the nearby villages like Soraguri, Gotonga, Santipur wherein about 15 ha of land was covered under toria cultivation this year. The effort of Tribeni Krishak Sangha, Gopalpur has today resulted in horizontal spread of this variety to these villages. KVK, Sivasagar wishes a bright future to the Sangha.

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

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

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

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

- Identification of courses for farmers/farm women : PRA, Survey, Group Discussion, Demand from farmers, NGOs and line departments
- Rural Youth : PRA, Survey, Group Discussion, Demand from farmers, NGOs, NABARD and line departments
- In service personnel : PRA, Survey, Group Discussion, As decided by line departments

3.11 Field activities

- i. Number of villages adopted : 2 (Gopalpur and Garkakharia)
- ii. No. of farm families selected : 56
- iii. No. of survey/PRA conducted : 2

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Not yet established

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

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

3. Details of samples analyzed so far :

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

4.0 IMPACT

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

4.2.

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs./ ha)	
			Before (Rs./ha)	After (Rs./ha)
Use of improved production technology of rice	100	55%	7500.00	14200.00
Use of IPM in vegetable	100	25%	35500.00	48700.00
Composite fish culture	50	65%	70, 000.00	150000.00

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

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

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

PRA was conducted in adopted villages to study the impact of adoption of technologies imparted to the farm families

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Agricultural Office	Implementation of ATMA programe and selection of participants
2. District Animal Husbandry & Veterinary Office	Joint implementation, and participation in meeting
3. District Fishery Development Office	Joint implementation and participation in meeting
4. District Sericulture Office	Joint implementation and participation in meeting
5. District Forest Office	Joint implementation and participation in meeting
6. District Industry Office	Joint implementation and participation in meeting
7. DRDA	Joint implementation and participation in meeting
8. Banking Organization (NABARD etc.)	Contribution for infrastructural development
9. NGOs	Conducting training programmes and demonstration

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

6.5 Utilization of hostel facilities (Month Wise):

Accommodation available (No. of beds) : NA

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					

(Duration of the training course X No. of trainees) = Trainee days

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	SBI ADB Gargaon branch	Simaluguri, Sivasagar	C A/c -11671477783 RF A/c- 30709339138

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

Item	Released by ICAR/ZPD		Expenditure (Rs)		Unspent balance as on 31 st March, 2012
	2009-10	2010-11	2009-10	2010-11	
Inputs					
Extension activities		21960.00		3810.00	
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2011 -12

Sl. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	55.60		47.89968
2	Traveling allowances	1.4		1.39936
3	Contingency	6.0		5.99896
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		63.0		55.298
B. Non-Recurring Contingencies				
1	Works	15.0		
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)	0.1	0.1	0.1
TOTAL (B)		0.1	0.1	0.1
C. REVOLVING FUND		1.0	1.0	0.08328
GRAND TOTAL (A+B+C)		79.10		55.48128

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2009 to March 2010	1.0			
April 2010 to March 2011				
April 2011 to March 2012			0.08328	

8.0 Please include information which has not been reflected above (write in detail).**8.1 Constraints**

(a) Administrative

- ❖ Lack of administrative building resulting in insufficient space for the Scientists and office staff for office running and improper storage of equipments
- ❖ Lack of implement shed resulting in difficulty in keeping the farm implements in proper condition
- ❖ Lack of boundary wall hindering production of crops and livestock in the KVK farm

(b) Financial

- ❖ The amount under recurring contingencies released is insufficient in implementation of the programmes targeted in the action plan
- ❖ Non-release of 2nd half demand and additional demand of fund in time hinders the smooth implementation of programmes

(c) Technical

- ❖ Lack of soil testing laboratory resulting in inability in meeting the demand of farmers for soil testing
- ❖ Lack of instruments and equipments for mushroom spawn production
- ❖ Insufficient technological backstopping for research components hinders the mandated OFT activities.

Annexure- I**Details of training programmes conducted at KVK , Sivasagar**

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total
7.7.11	F	Seed prodn. of rice	Crop Production	ICM	1	Off	24	2	26	0	0	0	24	2	26
7.7.11	F	Improved production of winter paddy	Crop Production	ICM	1	Off	25	0	25	1	0	1	26	0	26
17.8.11	F	Scientific production of winter paddy	Crop Production	ICM	1	Off	22	13	35	0	0	0	22	13	35
6.9.11	F	Improved production of winter paddy	Crop Production	ICM	1	Off	27	2	29	0	0	0	27	2	29
7.9.11	F	Planting material production of citrus crop	Horticulture	ICM	1	Off	20	9	29	0	0	0	20	9	29
22.10.11	F	Scientific rearing of pig for meat production	Animal Husbandry	Livestock Management	1	Off	0	3	3	0	22	22	0	25	25
3.11.11	F	Bio-control of stem borer and leaf folder in rice	Plant Protection	IPM	1	Off	18	7	25	0	0	0	18	7	25
14.11.11	F	Oyster mushroom cultivation	Plant Protection	Mushroom production	3	Off	1	25	26	0	0	0	1	25	26
23.11.11	F	Scientific production of Toria	Crop Production	ICM	1	Off	25	0	25	0	0	0	25	0	25
28.11.11	F	Scientific broiler production	Animal Husbandry	Livestock Management	1	Off	25	2	27	0	0	0	25	2	27
28.11.11	F	Soil Mgmt. Practices for sustained soil fertility	Soil Science	INM	1	Off	31	0	31	0	0	0	31	0	31
3.12.11	F	Scientific production of Toria	Crop Production	ICM	1	Off	25	0	25	0	0	0	25	0	25
7.12.11	F	Commercial cultivation of broccoli & capsicum	Horticulture	ICM	1	Off	25	0	25	0	0	0	25	0	25
8.12.11	F	Technical strengthening of SHG for enhancing functional potentiality	Agril. Extension	SHG Management	1	Off	26	0	26	0	0	0	26	0	26
16.12.11	RY	Azolla culture and prep. of enriched	Soil Science	INM	1	Off	0	25	25	0	0	0	0	25	25

		compost													
19.12.11	RY	Scientific broiler production	Animal Husbandry	Livestock Management	1	Off	25	0	25	0	0	0	25	0	25
22.12.11	F	Offseason vegetable production	Horticulture	ICM	1	Off	19	7	26	0	0	0	19	7	26
22.12.11	F	IPM in Rabi crops	Plant Protection	IPM	1	Off	17	4	21	8	0	8	25	4	29
23.12.11	F	IPM in Rabi crops	Plant Protection	IPM	1	Off	12	14	26	0	0	0	12	14	26
24.12.11	F	Bio control in paddy	Plant Protection	IPM	1	Off	1	0	1	29	4	33	30	4	34
30.12.11	F	Preservation and value addition product of fish	Fishery	Enterpreneurship development	1	Off	0	10	10	0	0	0	0	10	10
30.12.11	RY	Agripreneur development for upliftment of rural poor	Agril. Extension	-do-	1	Off	25	0	25	0	0	0	25	0	25
31.12.11	F	IPM in Rabi crops	Plant Protection	IPM	1	Off	25	0	25	0	0	0	25	0	25
3.1.12	F	Rejuvenation of citrus orchard	Horticulture	ICM	1	Off	26	2	28	0	0	0	26	2	28
24.1.12	F	Scientific production of Toria	Crop Production	ICM	1	Off	26	0	26	0	0	0	26	0	26
25.1.12	F	Micronutrient deficiency in crops	Soil Science	ICM	1	Off	25	0	25	0	0	0	25	0	25
4.2.12	RY	Scientific pig production	Animal Husbandry	Livestock Management	1	Off	0	29	29	0	0	0	0	29	29
14.2.12	RY	Mobilization of social capital among the villages	Agril. Extension	Mobilization of social capital	1	Off	4	29	33	0	0	0	4	29	33
15.2.12	F	Rain water harvesting and its economic use	Crop Production	Water management	1	Off	8	21	29	0	0	0	8	21	29
18.2.12	F	Farming system approach for socio economic upliftment of rural people	Agril. Extension	Farming system	1	Off	26	0	26	0	0	0	26	0	26
27.2.12	RY	Prodn. Tech. of commercially important flower tuberose & marigold	Horticulture	ICM	1	Off	28	0	28	0	0	0	28	0	28
29.2.12	F	Soil testing in agriculture	Soil Science	Soil testing	1	Off	25	0	25	0	0	0	25	0	25
19.3.12	F	Rain water harvesting and its economic use	Crop Production	Water management	1	Off	17	8	25	0	0	0	17	8	25

Signature of Programme Coordinator
KVK, Sivasagar