REVISED PROFORMA FOR ANNUAL REPORT – 2011-2012 (April, 2011-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, Assam Agricultural University, Shillongani- 782002, Nagaon Assam	03672 - 225384	03672-225384	kvknagaon@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, Assam 785013	0376-2340013	0376-2340001	vc@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Mrinal Saikia	-	9435091910	msaikia@rediffmail.com

1.4. Year of sanction: As remandated: February, 2000
As full flagged: April, 2004

1.5. Staff Position (as 0n 31.3.2012)

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.M.Saikia	Programme Coordinator	Agronomy	37400.00-6700.00	57840.00	14.9.2011	Permanent	Gen
2	Subject Matter Specialist	Mrs. A.M.Deka	SMS	Agronomy	15600.00-39100.00	23610.00	6.11.08	Permanent	OBC
3	Subject Matter Specialist	Dr. C.K.Deka	SMS	Agril Extension	15600.00-39100.00	23610.00	7.11.08	Permanent	General
4	Subject Matter Specialist	Mrs. S. Bhagowati	SMS	Soil. Sc	15600.00-39100.00	23610.00	10.11.08	Permanent	Gen
5	Subject Matter Specialist	Mrs. P.Nath	SMS	Home Sc	15600.00-39100.00	23610.00	12.11.08	Permanent	OBC
6	Subject Matter Specialist	Mr. U.K. Deka	SMS	Plant Pathology	15600.00-39100.00	22920.00	10.08.09	Permanent	General
7	Subject Matter Specialist	Mrs. Sibani Das	SMS	Horticulture	15600.00-39100.00	22250.00	10.11.08	Permanent	SC
8	Programme Assistant	Mr.D.Nath	Programme Assistant	Fishery Sc	8000.00-35000.00	18810.00	10.10.01	Permanent	OBC
9	Comp.Programmer	Mr. D.K. Goswami	Programme Assistant (Computer)	Computer Application	8000.00-35000.00	16300.00	1.12.08	Permanent	General
10	Farm Manager	Mr.J.K. Dutta	Farm Manager	Agril Extension	8000.00-35000.00	15350.00	16.01.09	Permanent	OBC
11	Accountant / Superintendent	Mr. N. Bharali	Accountant	-	8000.00-35000.00	12000.00	13.3.12	Permanent	Gen
12	Stenographer	Miss.P. Deka	Stenographer		5200.00 – 20200.00	8000.00	21.2.12	Permanent	Gen
13	Driver	Mr. M.Senapati	Driver	-	5200.00-20000.00	7400.00	22.2.12	Permanent	OBC
14	Driver	Mr. D. Gogoi	Driver	-	5200.00-20000.00	7400.00	22.2.12	Permanent	OBC
15	Supporting staff	Mr. S.Bora	Grade-IV	-	5200.00-20000.00	8850.00	01.03.06	Permanent	OBC
16	Supporting staff	Mr. B.Deka	Grade-IV	-	4560.00-15000.00	7760.00	01.03.06	Permanent	OBC

1.6. Total land with KVK (in ha) : 13 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.55 ha
2.	Under Demonstration Units	1.1 ha
3.	Under Crops	4.59 ha
4.	Avenue plantation	0.73 ha
5.	Others (specify)	
	Proposed Administrative buildings	0.67 ha
	Roads and drainage	0.36 ha
	Green manuring crop	5.00 ha

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	Attached with RARS, Shillongani						
2.	Farmers Hostel	Attached with RARS, Shillongani						
3.	Staff Quarters (6)	Attached with RARS, Shillongani						
4.	Demonstration Units (8 Nos)	RKVY	March, 2012	-	-	-	-	Completed
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	RKVY	-	-	-	-	-	Completed
8	Farm godown	RKVY	March, 2012	-	-	-	-	Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2006	490503.00	65546	Good
Tractor	2003	297213.00	3650	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
I. Soil & Water testing Equipments			
Auto Analyzer	2007	248484.00	Good
Mechanical Shaker (150ml cap)	2007	22278.00	Good
Water Distillation Set	2007	39280.00	Good
Plant Sample Grinder	2007	15750.00	Good
Spectrophotometer	2007	26424.00	Good
pH meter	2007	8307.00	Good
Conductivity meter	2007	9757.00	Good
Hot plate	2007	3375.00	Good
Pen pH meter	2007	3000.00	Good
Chemical Balance	2007	32500.00	Good
Physical Balance (5.0kg)	2007	4500.00	Good
Physical Balance (2.5 kg)	2007	3000.00	Good
Mechanical Shaker	2007	18563.00	Good
Hot Air Oven	2007	21330.00	Good
Flame Photo meter	2007	25301.00	Good
Refrigerator	2008	14062.00	Good
Laminar flow	2011	57930.00	Good
Hot air oven	2011	36888.00	Good
BOD incubator	2011	122131.00	Good
Autoclave	2011	93638.00	Good
Rotary Checker	2011	28375.00	Good
Electronic Balance	2011	9591.00	Good
Pocket Ph Meter	2011	2270.00	Good

List of farm equipment	Year of purchase	Cost (Rs.)	Remarks
Power tiller	2009	273022.00	Good
Motorized Knapsack	2009	22360.00	Good
Mechanized brush cutter	2009	28000.00	Good
Multipurpose Power weeder	2009	42078.00	Good
Power paddy weeder	2009	36254.00	Good
Earth Augar	2009	56749.00	Good
8 row self propelled rice transplanter	2009	188198.00	Good

Knapsack power duster back cushion and padded shoulder strap	2009	7696.00	Good
Knapsack Sprayer (Brass)-16 lits.	2009	2100.00	Good
Rota vator	2009	191610.00	Good
Fingerling catching net	2009	19912.00	Good
Drag net	2009	42300.00	Good
Pump set	2009	17670.00	Good
Disc Harrow	2009	35256.00	Good
Disc plough	2009	27030.00	Good
Puddler	2009	25896.00	Good
Chaft cutter	2009	15496.00	Good
Spring tyne cultivator	2009	29744.00	Good
Power sprayer pump	2009	9708.00	Good
Accessories of power tiller	2009	112820.00	Good
Monoblock Pumpset	2009	3744.00	Good
Paddle operated paddy thresher	2009	11250.00	Good
Seed Cleaner	2009	325476.00	Good
Sprinkler irrigation system	2009	71000.00	Good
Wheel barrow	2010	5175.00	Good
Sealing Machine	2012	2838.00	Good
Dripkit	2012	958.00	Good

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

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

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

2. DETAILS OF DISTRICT (2011-12)

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

Sl.No	Farming systems identified
1.	Agri – Horti
2.	Agri – Horti –Dairy
3.	Agri – Horti –Fishery
4.	Agri – Horti - Poultry
5	Agri – Horti - Piggery
6	Agri – Horti –Fishery - Duckery
7	Agri – Seri – Piggery

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

Sl.No	Agro-climatic Zone	Characteristics
1.	Central Brahmaputra Valley Zone	The zone is consisted of two districts with four Agricultural Sub-divisions viz. Nagaon, Raha, Hojai and Kaliabor in Nagaon and one sub division in Morigaon district. The major physiographic variations of the zone are low hills; piedmont and high land areas, flood plain, char lands and swampy areas. The climate of the zone is generally humid sub-tropical (hot and wet in summer and cool in winter). The relative humidity is about 37% in the month of February /March and about 80% in other months. The zone receives mean annual rainfall of 1800 mm with five winter months having rainfall less than 100 mm. The monsoon commences from March and intensity gradually increases up to August and then declines to the minimum during November/ December. During rainy season, Water supply goes above water need and excess water causes stagnation and flood in many areas. In winter water table recedes beyond root zone of the field crops. The maximum temperature rises up to 38 ^{0} C in July-August and minimum falls to 8 ^{0} C in January.

2.3 Soil type/s

No	Soil type	Characteristics	Area in ha
1	Clayey Typic Hapludults	Very deep, well drained, clayey soils occurring on moderately slopping side slopes of hills having loamy surface with moderate erosion hazards	16.8
2	Fine Typic Hapludalfs	Very deep, well drained, fine soils occurring on gently to undulating upland having loamy surface with moderate erosion hazards	56.0
3	Fine Dystric Eutrochrepts	Very deep, moderately well drained, fine soils occurring on undulating upland having loamy surface with moderate erosion hazards	113.6

4	Fine Aeric Haplaquepts	Very deep, moderately well drained, fine soils occurring on very gently to gently sloping plain having clayey surface with slight erosion and slight flood hazards	237.9
5	Coarse loamy Aquic Udifluvents	Very deep, imperfectly drained, coarse loamy soils occurring on gently slopping plain having coarse loamy surface with very slight erosion hazards	257.9
6	Fine loamy Aquicn Dystric Eutrochrepts	Very deep, moderately well drained, fine loamy soils occurring on very gently sloping plain having loamy surface with slight erosion and slight flood hazards	261.3
7	Fine Ruptic Alfic Eutrochrepts	Very deep, moderately well drained, coarse loamy soils occurring on undulating upland having sandy surface with severe erosion hazards	25.3
8	Fine loamy Typic Dystrochrepts	Very deep, well drained, fine loamy soils occurring on gently sloping to undulating upland having loamy surface with moderate erosion hazards	190.9
9	Fine loamy Typic Dystrochrepts	Very deep, well drained, fine loamy soils occurring on undulating upland having loamy surface with slight erosion hazards	18.2
10	Fine loamy Aeric Haplaquepts	Very deep, poorly drained, fine loamy soils occurring on gently sloping sub due plain having clayey surface with slight erosion hazards	52.1
11	Fine silty Aeric Haplaquepts	Very deep, poorly drained, fine silty soils occurring on nearly leveled flood plain having loamy surface with slight erosion and moderate flood hazards	65.5
12	Coarse loamy Typic Fluvaquents	Deep, poorly drained, coarse loamy soils occurring on nearly leveled flood plain having loamy surface with slight erosion and moderate flood hazards	105.0
13	Coarse silty Typic Udifluvents	Deep, well drained, coarse silty soils occurring on active flood plain having loamy surface with moderate erosion and severe flood hazards	161.9

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

Sl.No	Crop	Area (ha)*	Production (MT)*	Productivity (qtl /ha)*
1	Winter rice	143783	329982	22.95
2	Summer rice	63734	219692	34.47
3	Autumn rice	32879	65232	19.84
4	Wheat	7133	7019	9.84
5	Jute	8213	17247	21.0
6	Sugarcane	6092	218063	357.94
7	Green gram	740	396	5.35
8	Black gram	2841	1520	5.35

9	Pea	4379	2352	5.45
10	Lentil	1733	806	4.65
11	Toria	27684	18410	6.65
12	Sesamum	659	287	4.35

*** = no change of unit is allowed**

2.5. Weather data

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
April, 2011	42.8	30.3	19.9	75
May, 2011	315.2	32.1	22.7	79
June, 2011	179.8	33.1	25.3	80
July, 2011	395.8	33.0	25.8	81
Aug, 2011	328.0	33.0	25.9	82
Sep, 2011	119.6	33.6	25.9	82
Oct, 2011	42.6	32.8	22.7	79
Nov, 2011	65.0	26.7	25.3	81
Dec, 2011	8.2	26.1	12.4	77
Jan, 2012	11.4	22.51	11.00	83
Feb, 2012	0.8	26.82	12.99	76
March, 2012	11.6	29.65	15.48	71

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	56,771	10529130 lit	2.13lit/da
Indigenous	8,02,443	28354101 lit	0.628lit/da
Buffalo	12,663	5996903 lit	8.71lit/da
Sheep			
Crossbred			
Indigenous	12,395	3882 kg	20kg/yr
Goats	3,56,954	393860 kg	20kg/yr
Pigs			
Crossbred	16,363	309538 kg	

Indigenous	58,510		65kg/yr
Rabbits	27		
Poultry			
Hens			
Desi	1176122	Egg: 18416746nos.,	Egg: 70nos./year, Meat: 2.62
Improved	10674	Meat: 282203 kg	Egg: 150nos./year, Meat: 2.65
Ducks	505585	Egg: 8920483nos Meat: 51588 kg	Egg: 80nos./year, Meat: 2.60
Turkey and others			

Category	**Area**	**Production**	**Productivity**
Fish	42403 ha	26200MT/year	61.20
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.6.1 Details of Operational area / Villages (2011-2012)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Nagaon	Raha	Metaka	Rice, Green gram, Toria, Fishery	Gaps in adoption of improved production practices	1.Introduction of improved varieties 2.Productivity Enhancement 3.Nutrient Management 4.Fish Production,
2.	Nagaon	Lumding	Kaki	Sali rice, plantation crop	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management
3.	Nagaon	Lumding	Rani pukhuri	Sali rice, vegetables, dairy	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management
4.	Nagaon	Samaguri	Purani Gudam	Rice,Toria,vegetables, Fishery	-do-	1. Nutrient Management 2.Integrated Pest Management 3.Fish Production, 4. Entrepreneurship Development 5. Fish Production,

5.	Nagaon	Kathiatali	Rangalu	Rice, Vegetables, Fishery	-do-	1. Nutrient Management 2.Integrated Pest Management 3. Livestock management, 4. Entrepreneurship Development 5. Fish Production,
6.	Nagaon	Bajiagaon	Naam Koroiani	Rice, Toria, pulses	-do-	1. Nutrient Management 2. Integrated Pest Management 3..Fish Production, 4. Entrepreneurship Development
7.	Nagaon	Bajiagaon	Telia Pahukata	Rice, Toria, Green gram,	-do-	1.Nutrient Management 2.Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops,
8.	Nagaon	Khagorijan	Amtola	Paddy,Vegetables, Fishery	-do-	1.Nutrient Management 2. Integrated Pest Management 3.Fish Production,
9.	Nagaon	Kaliabar	Naltoli	Rice,jute, Dairy, Fishery	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4.Emphasis on Pulses and Oilseeds crops, 5.Livestock management 6. Fish Production,,
10.	Nagaon	Raha	Dubaritoli	Sugarcane,Pulses, Fishery	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4. Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops 6. Fish Production,,
11.	Nagaon	Dalonghat	Juria	Rice,Jute	-do-	1. Nutrient Management 2. Integrated Pest Management 3.Fish Production, 4. Entrepreneurship Development 5. Fish Production,
12.	Nagaon	Kathiatali	Kathiatoli	Pulses, Sugarcane	-do-	1.Introduction of improved varieties, 2. Nutrient Management 3. Integrated Pest Management 4. Entrepreneurship Development

13.	Nagaon	Raha	Niz Dimow	Fishery, Rice	-do-	1.Introduction of improved varieties 2. Nutrient Management 3. Integrated Pest Management 4.Fish Production,
14.	Nagaon	Khagorijan	Kashamari	Rice, Vegetables, Pulses	-do-	1.Productivity Enhancement 2. Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops
15.	Nagaon	Khagorijan	Raidongia	Rice, Pulses, Oilseeds	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4.Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops, 6. Entrepreneurship Development
16.	Nagaon	Khagorijan	Bamungaon	Pulses,Toria	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4.Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops, 6. Entrepreneurship Development
17.	Nagaon	Pakhimora	Jamuguri	Rice, Toria, Goatary	-do-	1.Productivity Enhancement 2.Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops, 4.Livestock management, 5. Entrepreneurship Development
18.	Nagaon	Khagorijan	Bamungaon	Rice, Sugarcane	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4. Entrepreneurship Development
19.	Nagaon	Roha	Khaigarh	Pulses, Toria, Rice, Fishery	-do-	1.Productivity Enhancement 2.Integrated Pest Management 3.Fish Production,
20.	Nagaon	Odali	Gatanga	Rice, Jute, Vegetables	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4.Integrated Pest Management 5. Entrepreneurship Development

2.7 Priority/ thrust areas

Crop/Enterprise	Thrust area
Crop Production	
Rice	Introduction of Improved varieties, Productivity Enhancement, Nutrient Management Water Management, SRI method of rice cultivation
Wheat	Introduction of Improved varieties, Productivity Enhancement, Nutrient Management Water Management
Jute	Introduction of Improved varieties, Productivity Enhancement, Nutrient Management
Black gram/ Green gram	Introduction of Improved varieties, Productivity Enhancement, Nutrient Management
Oil Seeds	Introduction of Improved varieties, Productivity Enhancement, Nutrient Management
Horticultural Crops	
Banana	High Density Planting
Citrus	Nutrient and pest management
Coconut	Nutrient Management
Areca nut	Nutrient management
Vegetables	Improved seeds / planting material
Animal product	
Milk	Scientific management of milch animal Cross breeding of selected milch animal with high yielding breed.
Meat	Scientific management of pig, goat, sheep and poultry. Cross breeding of selected pig with high yielding exotic pig.
Egg	Scientific management of poultry, Introduction of dual purpose poultry variety like vanaraja.
Fishery	
Fish	Scientific fish cultivation, Integrated fish farming
Fish seed	Breeding/Quality seed production
Capacity Building	Entrepreneurship Development, Women Empowerment, Motivation, Organizing farmers into groups, Farm Science Club
Plant Protection	Integrated Pest Management, Integrated Disease Management, Biocontrol, Mushroom, Apiary
Home Science	Women Empowerment, Value Addition , Food & Nutrition

3. TECHNICAL ACHIEVEMENTS

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

4.

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	12	24	24	6	6	47	47

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	Extension Activities	Targets	Achievement	Targets	Achievement
Farmers	-	-	-	-	Field days	5	8	320	768
Rural youth					Kisan mela	1	1	550	613
Extn. Functionaries					Diagnostic visit	65	57	-	150
					Scientist visit	100	134	-	123
					Farmers visit	-	750	-	-
					Radio talk	12	5	-	-
					Publications	-	Bulletins:13 Popular Articles:17	-	-

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
250.0	215.46	-	-

3. B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Production Technology	Boro rice (var. Joymati, Sawrnabh, PA-6444)	Low Yield	Performance of Boro rice varieties under SRI method of cultivation	NA	Improved Production Technology of Boro rice	NA	Method Demonstration	Seeds, fertilizers & pesticides
2	Productivity Enhancement	Summer Sesamum, Kharif Greengram, Rabi toria	Low Yield	Pulses and oilseed based cropping system under upland rained condition	NA	Improved Production technology of Sesamum, Greengram, Toria	NA	NA	Seed, Fertilizers & Pesticides
3	Nutrient Management	Olitorius jute, Salirice, Toria	Low Yield	Fertilizer management in Olitorius jute-Sali rice-Toria cropping system under medium land rainfed conditions	NA	Improved Production technology of Jute, Salirice, & Toria	NA	NA	Seed, Fertilizers & Pesticides
4	Situation Specific Variety	Boro rice (var. PAC - 837 , Arize - 6129, Jaymati Kanaklata & Swarnabh	Low Yield	Performance of hybrid boro rice varieties	NA	Improved Production Technology of boro rice	NA	NA	Seeds, fertilizers & pesticides

5	Situation Specific Variety	Maize var. HQPM-1	Low Yield	NA	Performance of hybrid maize	Improved Production Technology of hybrid maize	NA	Method Demonstration	Seeds, fertilizers & pesticides
6	Irrigation management	Toria (var. TS-38)	Low Yield	NA	Treadle pump technology for irrigation in toria.	Improved Production Technology of Sesamum	NA	Method Demonstration	Seeds, fertilizers & pesticides
7	Irrigation management	Summer green gram (Var. Pratap)	Low Yield	NA	Treadle pump technology for irrigation in green gram	Improved Production Technology of green gram	NA	Method Demonstration	Seeds, fertilizers & pesticides
8	Irrigation management	Summer black gram (Var. KU-301)	Low Yield	NA	Treadle pump technology for irrigation in blackgram	Improved Production Technology of green gram	NA	Method Demonstration	Seeds, fertilizers & pesticides
9	Production Technology	Ahu rice (var.Dishang)	Low Yield	NA	SRI in early ahu rice	Improved Production Technology of Boro rice	NA	Method Demonstration	Seeds, fertilizers & pesticides
10	Entrepreneurship development	Complimentary Baby food Preparation “Assam Mix “	Lack of knowledge and awareness in preparation of complimentary baby food	NA	Popularization on preparation of complimentary food by Women SHG’s in Nagaon district	Preparation of Assam Mix	NA	Method demonstration	Rice, Moong Dal, Sesame Seed, Groundnut .
11	Weed management	Tube rose	Low yield due to weed infestation	Weed management in tube rose.	NA	Improved production technology of Tube Rose	NA	Method demonstration	Bulbs,fertilizers &pesticides.

12	Production Technology	Micro propagated Banana	Low yield	Assessment of Micro Propagated Banana	NA	Improved production technology of banana	NA	Method demonstration	Suckers.
13	Situation specific variety	Brinjal (var. longai round & longai long)	Adaptability in Nagaon district	Testing on Brinjal Variety longai	NA	Improved production technology of Brinjal	NA	Method demonstration	Seed, Fertilizer , Pesticide
	Situation specific variety	Tomato & French Bean (MLT)	Adaptability in Nagaon district	MLT on newly develoved French bean and Tomato varieties. **Frenchbean (var):** Arka Anup IIHR 909 Contender(Check **Tomato(var):** 09/TLCVRES-10 H-24(Check)	NA	Improved production technology of Tomato & French Bean (MLT)	NA	Method demonstration	Seed, Fertilizer , Pesticide
14	Fitment in rice double cropping sequence	Potato (var Kufri Pukhraj)	Usage of fallow field after Sali rice cultivation	Assesment of potato Kufri Pukhraj for fitment in rice double cropping sequence.	NA	Improved production technology of Potato	NA	Method demonstration	Tuber, Fertilizer , Pesticide
15	Nutrient management	*Toria*	Unavailability of biofertilizer in the local market	Integrated nutrient management in *Toria* under late sown condition in rice *toria* system.	NA	Integrated nutrient management system	NA	Method demonstration	Seeds, fertilizer, biofertilizer & pesticides.

16	Water management	*Ahu* rice	On going	Effect of recommended water management practices in *ahu* rice in STW commands.	NA	-	-	-	Seeds, fertilizer, diesel & pesticides
17	Disease management	*Ginger*	On going	Rhizome rot management in ginger using Biofor-PF	NA	-	-	Method demonstration	Seeds, fertilizer & Biofor-PF

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	Boro rice	Toria Sesamum	Greengram		Brinjal, potato, frenchbean, tomato					**8**
Seed / Plant production						Banana				**1**
Weed Management							Tuberose			1
Integrated Crop Management										
Integrated Nutrient Management	Sali rice	Toria		Jute						**3**
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										

Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management				Ginger						1
Resource conservation technology	Ahu rice									1
Small Scale income generating enterprises										
TOTAL	**3**	**3**	**1**	**2**	**4**	**1**	**1**			**15**

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

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										

Farm machine										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income enterprises										
TOTAL										

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

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

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

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

A. Technology Assessment

Trial 1

1	Title	:	Performance of Boro rice varieties under SRI method of cultivation (var. Swarnabh, Joymati, PA-6444)
2	Problem diagnose/defined	:	Low yield
3	Details of technologies selected for assessment/refinement	:	Assessment i. Farmers Practice ii. Recommended Practice iii. SRI Method of rice cultivation
4	Source of technology	:	ICAR
5	Production system thematic area	:	Irrigated medium land
6	Thematic area	:	Improved Production technology
7	Performance of the Technology with performance indicators	:	Results showed that in all the varieties (viz. Swarnabh, Joymati, PA-6444) grain yield were found highest in the SRI method followed by RP as compared to FP.
8	Final recommendation for micro level situation	:	For increasing production of rice in minimum cost of production, SRI method may be recommended
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	The farmers were involved in planning and execution under the guidance of KVK scientist. Monitoring and evaluation of the trial were done by scientist of KVK along with the participatory farmers. The farmers were highly satisfied with the yield performance of varieties under the SRI method of cultivation.

Trial 2

1	Title	:	Fertilizer management in Olitorius jute-Sali rice –Toria cropping system under medium land rainfed conditions
2	Problem diagnose/defined	:	Low yield and and low cropping intensity.
3	Details of technologies selected for assessment/refinement	:	Assessment i. Farmers Practice ii. 100% RDF in Jute-75% RDF in rice-100% RDF in toria iii. 100% RDF in all 3 crops
4	Source of technology	:	AAU, Jorhat
5	Production system thematic area	:	Rainfed medium land
6	Thematic area	:	Nutrient management
7	Performance of the Technology with performance indicators	:	The highest yield of jute was found in 100% RDF (39.87q/ha) as compared to FP. The Sali rice var. Mahsury1 recorded the highest grain yield of 48.51q/ha in 100% RDF followed by 75% RDF (45.99q/ha) against the farmers practice (39.0q/ha). In case of toria, the highest grain yield of 10.91q/ha was found in 100% RDF as compared to FP (8.0 q/ha)
8	Final recommendation for micro level situation	:	This technology may be recommended for triple crop cropped Sali areas.
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	The farmers were involved in planning and execution under the guidance of KVK scientist. Monitoring and evaluation of the trial were done by scientist of KVK Nagaon along with the participatory farmers. The farmers were highly satisfied with the performance of the technology under triple cropped Sali areas.

Trial 3

1	Title	:	Pulses and oilseed based cropping system under upland rainfed condition
2	Problem diagnose/defined	:	Low yield and low cropping intensity.
3	Details of technologies selected for assessment/refinement	:	Assessment i. Farmers Practice: Farmers common cropping system ii. Sesamum(Summer)-Greengram (Kharif)-Toria (Rabi) iii. Green gram(Summer)- Sesamum(Kharif)-Totia (Rabi)
4	Source of technology	:	AAU, Jorhat

5	Production system thematic area	:	Rainfed upland land
6	Thematic area	:	Cropping systen
7	Performance of the Technology with performance indicators	:	Third crops are going on
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	-

Trial 4

1	Title	:	Performance of hybrid boro rice varietis
2	Problem diagnose/defined	:	Low yield.
3	Details of technologies selected for assessment/refinement	:	Assessment i. Farmers Practice ii. Hybrid varieties: PAC 837 & Arize 6129 Check: Joymati, Kanaklata, Swarnab
4	Source of technology	:	AAU, Jorhat
5	Production system	:	Irrigated medium land
6	Thematic area	:	Varietal evaluation
7	Performance of the Technology with performance indicators	:	The crop is going on
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	-

Trial 5

1	Title	:	Rhizome rot management in ginger
2	Problem diagnose/defined	:	Rhizome rot
3	Details of technologies selected for assessment/refinement	:	Use of Biofor-PF

4	Source of technology	:	AAU
5	Production system thematic area	:	Rainfed up land
6	Thematic area	:	Rhizome rot management
7	Performance of the Technology with performance indicators	:	On-going
8	Final recommendation for micro level situation	:	It may perform very well in this region of the country.
9	Constraints identified and feedback for research	:	Limited source
10	Process of farmers participation and their reaction	:	-

Trial 6

1	Title	:	Assessment of potato (Kufri Pukhraj) in rice potato double cropping sequence
2	Problem diagnose/defined	:	Usage of fallow field after Sali rice cultivation
3	Details of technologies selected for assessment/refinement	:	Assessed
4	Source of technology	:	AAU
5	Production system thematic area	:	Medium land
6	Thematic area	:	Improved production technology
7	Performance of the Technology with performance indicators	:	T1: 135.8q/ha **Farmers practice** T2: 117.03q/ha
8	Final recommendation for micro level situation	:	It may perform very well in this region of the country.
9	Constraints identified and feedback for research	:	Disease and pest infestation
10	Process of farmers participation and their reaction	:	The farmers are satisfied

Trial 7

1	Title	:	Testing of brinjal varieties longai round and longai long.
2	Problem diagnose/defined	:	Use of local varieties by the farmers
3	Details of technologies selected for assessment/refinement	:	Assessed.

4	Source of technology	:	AAU
5	Production system thematic area	:	Rainfed up land
6	Thematic area	:	Varietal introduction
7	Performance of the Technology with performance indicators	:	Crop is going on.
8	Final recommendation for micro level situation	:	
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	-

Trial 8

1	Title		Weed management in tube rose.
2	Problem diagnose/defined	:	Low yield due to weed infestation.
3	Details of technologies selected for assessment/refinement	:	Assessed.
4	Source of technology	:	AAU,Jorhat.
5	Production system thematic area	:	Rainfed upland.
6	Thematic area	:	Weed management.
7	Performance of the Technology with performance indicators	:	Metribuzin treatment:180000 nos of spike. Oxadiangyl treatment :160000 nos of spike. Farmers practice :140000 nos of spike.
8	Final recommendation for micro level situation	:	It may perform well in this region.
9	Constraints identified and feedback for research	:	
10	Process of farmers participation and their reaction	:	The farmers were highly satisfied & interested using the weedicide.

Trial 9

1	Title	:	Multilocation testing of Tomato and French bean varities.
2	Problem diagnose/defined	:	Adaptability in Nagaon district
3	Details of technologies selected for assessment/refinement	:	Assessed.
4	Source of technology	:	AAU,Jorhat.

5	Production system thematic area	:	Rainfed medium land.
6	Thematic area	:	Varietal Introduction.
7	Performance of the Technology with performance indicators	:	**Frenchbean (var):** Arka Anup-98.11q/ha, IIHR 909 -94.34q/ha Contender(Check)-90.56q/ha. **Tomato(var):** 09/TLCVRES-10-170.94q/ha, H-24(Check)-152.98q/ha
8	Final recommendation for micro level situation	:	
9	Constraints identified and feedback for research	:	
10	Process of farmers participation and their reaction	:	

Trial 10

1	Title	:	Assesment of Micro Propagated Banana.
2	Problem diagnose/defined	:	Low yield .
3	Details of technologies selected for assessment/refinement	:	
4	Source of technology	:	AAU,Jorhat.
5	Production system thematic area	:	Rainfed upland.
6	Thematic area	:	Production Technology
7	Performance of the Technology with performance indicators	:	Ongoing
8	Final recommendation for micro level situation	:.	
9	Constraints identified and feedback for research	:-	
10	Process of farmers participation and their reaction	:	

Trial 11

1	Title	:	Integrated nutrient management in toria under late sown condition in rice toria sequence.
2	Problem diagnose/defined	:	Unavailability of biofertilizer in the local market.
3	Details of technologies selected for assessment/refinement	:	Assessed
4	Source of technology	:	AAU
5	Production system		Medium land

	thematic area	:	
6	Thematic area	:	Integrated nutrient management.
7	Performance of the Technology with performance indicators	:	TS – 67= 12.15 q/ha TS- 36= 10.49 q/ha TS-38= 12.05 q/ha **Farmers practice** T-67= 9.02q/ha
8	Final recommendation for micro level situation	:	It may perform very well in this region of the country.
9	Constraints identified and feedback for research	:	Unavailability of biofeftilizer in the local market.
10	Process of farmers participation and their reaction	:	The farmers are satisfied

Trial 12

1	Title	:	Effect of recommended water management practices in *ahu* rice in STW commands.
2	Problem diagnose/defined	:	-
3	Details of technologies selected for assessment/refinement	:	Assessed
4	Source of technology	:	AAU
5	Production system thematic area	: :	Medium land & law land
6	Thematic area	:	Water management
7	Performance of the Technology with performance indicators	:	On going **Farmers practice**
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	-

11). **Results of On Farm Trial**

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology refined	Parameters	Data on the parameter	Results of refinement	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Boro rice (var. Joymati, Sawrnabh, PA-6444)	Irrigated medium land	Low yield	Performance of Boro rice varieties under SRI method of cultivation	3	-	Yield	**Var. Swarnabh** FP:42.0q/ha IM: 54.0q/ha SRI: 66.0q/ha	-	Satisfactory
					-	Yield	**Var. Joymati** FP:45.0q/ha IM: 56.0q/ha SRI: 69.0q/ha	-	Satisfactory
					-	Yield	**Var. PA-6444** FP:56.0q/ha IM:67.0q/ha SRI: 80.0q/ha	-	Satisfactory
Jute crop (Tarun)	Irrigated medium land	Low yield	Fertilizer management in olitorius jute-Sali rice –toria cropping system under medium land rainfed conditions	3	-	Yield	FP: 27.0q/ha T1:39.87q/ha T2:39.83q/ha	-	Satisfactory
Sali rice (Var. Mahsuri)					-	Yield	FP: 39.0q/ha T1:45.99q/ha T2: 48.51q/ha	-	Satisfactory
Toria (var. M-27)					-	Yield	FP: 8.0q/ha T1:10.75q/ha T2: 10.91q/ha	-	Satisfactory
Kharif sesamum (ST-1683)	Rainfed Upland	Low yield	Pulses and oilseed based cropping system under upland rainfed	3	-	Yield	FP:5.3q/ha T2: 9.2q/ha	-	Satisfactory
Kharif green gram (Pratap)					-	Yield	FP:4.9q/ha T1: 8.5q/ha	-	Satisfactory
Rabi Toria (TS-36)					-	Yield	FP:8.0q/ha T1: 11.75q/ha T2: 10.63q/ha	-	Satisfactory

Summer sesamum (koliabor local)			conditions		Going on				
Summer greengram (Pratap)					Going on				
Boro rice	Irrigated medium land	Low yield	Performance of hybrid boro rice varieties	1	-	Going on			
Tube Rose	Upland	Low yield due to weed infestation	Weed Management in Tube Rose	2	-	Yield, weed dry weight, production economics	T1: oxadiangyl 150q/ha – 160000 nos of spike / ha T2: Metribuzin 1.0kg/ha – 180000 nos of spike / ha T3: FP – 140000 nos of spike	-	Satisfactory
Potato(Kufri Pukhraj)	Medium land	Usage of fallow field after Sali rice cultivation	Assesment of potato Kufri Pukhraj for fitment in rice double cropping sequence.	2	-	Plant height, non of stems, no of tubers per plant,yield , production economics	Demo yield: 135.8 q/ha FP: 117.03 q/ha	-	Satisfactory
Frenchbean (var): Arka Anup IIHR 909 Contender(Check	Rainfed medium land	Adaptability in Nagaon district	Multilocation testing of Tomato and French bean varities.	1	-	Growth parameters, consumers preference, yield & production economics	Arka Anup: Yield : 98.11q/ha IIHR Var. Yield:94.34q/ha FP var:Contender Yield:90.56q/ha	-	Satisfactory

Tomato(var): 09/TLCVRES-10 H-24(Check	Rainfed medium land	Adaptability in Nagaon district	Multilocation testing of Tomato and French bean varities.	1	-	Growth parameters, consumers preference, yield & production economics	09/TLCVRES-10 Yield: 171q/ha FP var H24 Yield: 152q/ha	-	Satisfactory
Toria	Medium land	Unavailability of biofertilizer in the local market	Integrated nutrient management in *Toria* under late sown condition in rice *toria* system.	3	-	Yield	T 1 (q/ha) TS-67= 13.8 TS-36=11.7 TS-38=14.4 T 2 (q/ha) TS-67= 10.9 TS- 36=9.4 TS-38=10.4 T 3 (q/ha) TS-67=11.8 TS-36=10.4 TS-38=11.4	-	Satisfactory
Ahu rice	Low & medium land	-	Effect of recommended water management practices in *ahu* rice in STW commands	3	-	1. Date of planting 2. Soil type and situation. 3. Date of irrigation applied. 4. Grain and straw yield.	On going		

- ***No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Performance of Boro rice varieties under SRI method of cultivation			
Var. Swarnabh	4200kg/ha 5400kg/ha	13925/-	1.64

FP: Farmers Practice IM: Improved method SRI method	6600kg/ha	23286/- 34218/-	2.03 2.55
Var. Joymati FP IM SRI	 4500kg/ha 5600kg/ha 6900kg/ha	 16892/- 24969/- 36768/-	 1.77 2.10 2.68
Var. PA-6444 FP IM SRI	 5600kg/ha 6700kg/ha 8000kg/ha	 23652/- 31181/- 44632/-	 1.98 2.21 2.91
Fertilizer management in olitorius jute-Sali rice –toria cropping system under medium land rainfed conditions			
Jute crop var. Tarun FP T1:100% RDF in Jute-75% RDF in Sali rice-100% RDF in Toria T2: 100% RDF in Jute, Sali rice & toria	 2700kg/ha 3987kg/ha 3983kg/ha	 12326/- 25793/- 25745/-	 1.61 2.17 2.17
Sali rice var. Mahsuri FP: T1: T2:	 3900kg/ha 4599kg/ha 4851kg/ha	 21730/- 27888/- 30187/-	 2.23 2.54 2.65
Toria var. M-27 FP T1 T2	 800kg/ha 1075kg/ha 1091kg/ha	 14800/- 20715/- 21195/-	 2.6 2.8 2.84
Pulses and oilseed based cropping system under upland rainfed conditions			
Kharif Sesamum (ST-1683) FP T2: Greengram(S)-Sesamum(K)-Toria (rabi)	 550kh/ha 920kg/ha	 12100/- 28132/-	 2.02 3.12
Kharif Greengram (Pratap) FP T1: Sesamum(S)- Greengram(K)- Toria (rabi)	 490kg/ha 850kg/ha	 13325/- 30777/-	 1.98 2.93
Rabi Toria (TS-36) FP T1 T2	 800kg/ha 1174 kg/ha 1063kg/ha	 14830/- 23715/- 20355/-	 2.61 3.05 2.76

Summer crops: Sesamum & Greengram	Going on		
Performance of hybrid boro rice varieties			
Hybrid var: PAC 837, Arize 6129 As Check : Joymati, Kanaklata, Swarnabh	Going on		
Weed Management in Tube Rose			
T1: oxadiangyl 150q/ha	160000nos /ha	302222.2	1.6
T2: Metribuzin 1.0kg/ha	180000nos/ha	362222.0	2.0
Farmers practice	140000nos/ha	168889.0	1.5
Late planting potato in rice cropping sequence Kufri Puhraj			
Kufri Pukhraj	135.8q/ha	93540.0	2.2
Farmers Practice	117.03q/ha	49581.0	1.5
Multilocation Testing of newly developed French bean and Tomato varieties			
Frenchbean (var): Arka Anup	Arka Anup: Yield : 98.11q/ha	90567.2	1.6
IIHR 909	IIHR Var. Yield:94.34q/ha	84906.2	1.5
Contender(Check)	FP var:Contender Yield:90.56q/ha	79245.2	1.4
Tomato(var): 09/TLCVRES-10	09/TLCVRES-10 Yield: 171q/ha	177170.7	2.2
H-24(Check)	FP var H24 Yield: 152q/ha	150227.5	1.8
Integrated nutrient management in *Toria* under late sown condition in rice *toria* system.			
TS-67 with INM TS-36 with INM TS-38 with INM	T 1 (q/ha) TS-67= 13.8 TS-36=11.7 TS-38=14.4 T 2 (q/ha) TS-67= 10.9 TS- 36=9.4 TS-38=10.4 T 3 (q/ha) TS-67=11.8 TS-36=10.4 TS-38=11.4	30203.00 23902.00 32003.00 21428.00 16703.00 19852.00 23903.00 19853.00 23003.00	2.6 2.1 2.8 1.9 1.4 1.7 2.1 1.7 2.1

Farmers practice (TS-67 without INM)	T 1 (q/ha) TS-67=9.75 T 2 (q/ha) TS-67=7.57 T 3 (q/ha) TS-67=8.25	18053.00 11528.00 13553.00	1.6:1 1.0:1 1.2:1
Effect of recommended water management practices in *ahu* rice in STW commands			
T 1 = Irrigation at 3 DADPW T 2 = Continuous submergence.	On going		

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

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

B. Technology Refinement

Trial 1

1. Title :
2. Problem diagnose/defined :
3. Details of technologies selected for assessment/refinement :
4. Source of technology :
5. Production system thematic area :
6. Thematic area :
7. Performance of the Technology with performance indicators :
8. Final recommendation for micro level situation :
9. Constraints identified and feedback for research :
10. Process of farmers participation and their reaction :

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	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area (ha)
1	Sesamum	Oilseed production	Performance of Sesamum Var. ST-1683 with Recommended Package of Practice	1. Demonstration 2. Field Days 3. Training	5	15	4
2	Toria		Performance of Toria Var. TS-46 with Recommended Package of Practice	-Do-	7	15	4
4	Green gram	Pulse production	Performance of _egetable var _egeta with Recommended Package of Practice	-Do-	6	15	4
5.	Black gram		Performance of Black gram Var. KU-301 with Recommended Package of Practice	-Do-	6	15	4
	Lentil		Performance of Lentil Var. PL-406 with Recommended Package of Practice	-Do-	5	15	4
6	Wheat	Cereal production	Performance of Wheat Var. K -0307 with Recommended Package of Practice	-Do-	7	10	4

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

b. Details of FLDs implemented during 2011-12 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Maize	Cereal production	Performance of hybrid maize var. HQPM-1	Spring: 2011-12	4.26	4.26	3	7	10	Not applicable

2	Ahu rice		SRI in early ahu rice under FPARP	Summer, 2012	4.0	4.0	4	8	12	On going
3	Toria	Oil seed production	Treadle pump technology for irrigation in shallow water table area	Rabi: 2011-12	4	4	4	8	12	Not applicable
4	Blackgram	Pulse production	Treadle pump technology for irrigation in shallow water table area	Summer, 2012	2.0	2.0	3	3	6	On going
5	Greengram		-do-	Summer, 2012	2.0	2.0	2	4	6	On going

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Maize	Spring: 2011-12	Rainfed	Sandy loam	L	M	L	Rabi oilseed/rabi _egetables rabi maize/wheat	1st wk of April	2nd wk of July	933.6	70
Toria	Rabi 2011-12	Irrigated	Sandy loam to clay loam	M	M	M	Kharif pulse / summer vegetables	2nd wk of November	3rd wk of February	85.4	4
Ahu rice	Summer, 2012	Irrigated	Sandy Clay loam	L	M	L	Sali rice/rabi vegatables	2nd wk of Feb.	On going	-	-
Black gram	Kharif 2010-11	Irrigated	Sandy loam	M	L	M	Wheat/ rabi maize/ rabi vegetables	2nd wk of March	On going	-	-
Green gram	Kharif 2010-11	Irrigated	Sandy loam	L	M	L	Wheat/ rabi maize/ rabi vegetables	1st wk of March	On going	-	-

c. Performance of FLD

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Maize	Spring: 2011-12	Rainfed	Sandy loam	L	M	L	Rabi oilseed/rabi _egetables rabi maize/wheat	1st wk of April	2nd wk of July		
Toria	Rabi 2011-12	Irrigated	Sandy loam to clay loam	M	M	M	Kharif pulse / summer vegetables	2nd wk of November	3rd wk of February		
Ahu rice	Summer, 2012	Irrigated	Sandy Clay loam	L	M	L	Sali rice/rabi vegatables	2nd wk of Feb.	On going	-	-
Black gram	Kharif 2010-11	Irrigated	Sandy loam	M	L	M	Wheat/ rabi maize/ rabi vegetables	2nd wk of March	On going	-	-
Green gram	Kharif 2010-11	Irrigated	Sandy loam	L	M	L	Wheat/ rabi maize/ rabi vegetables	1st wk of March	On going	-	-

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

d. Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
21865.00	19400.00	58300.00	38500.00	36435.00	19100.00	2.67 (1.98)

14230.00	9200.00	45600.00	26550.00	31370.00	17800.00	3.27 (2.70)
-	-	-	-	-	-	--
-	-	-	-	-	-	-
-	-	-	-	-	-	-

NB: * Data in parentheses indicate B:C ratio of Local Check.

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

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check

f. Technical Feedback on the demonstrated technologies

S. No	Feed Back
1.	All the demonstrations showed very satisfactory results. Demonstrations exhibited 40-60% increase in yield over the existing local varieties with local practice

g. Farmers' reactions on specific technologies

S. No	Feed Back
1.	All the demonstrations showed very satisfactory results. Demonstrations exhibited 40-60% increase in yield over the existing local varieties with local practice

h. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	8	27.2.12, 29.2.12, 24.3.12, 23.2.12, 25.3.12, 27.3.12, 30.3.12, 18.3.12	768	Field day on toria and ahu rice under SRI at Karsung, Dakarghat, Katangabari, Gandhibari, Sonaibali, Dhing, Madhupur, Samuagaon
2	Farmers Training	4	12.10.11	16	Farmers Training on improved production technologies on Toria
			04.02.12	15	Farmers Training on SRI method of rice cultivation
			09.02.12	14	Farmers Training on improved production technologies on Black gram
			12.02.12	12	Farmers Training on improved production technologies on Greengram

c. Details of FLD on Enterprises

(i) Farm Implements: Nil

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

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

(ii) Livestock Enterprises: Nil

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		

2. 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								
Vermi compost								
Assam Mix	Popularization of preparation of complimentary food by SHG's in Nagaon district	20	01	1. Sale of the product by the SHG	100 %	-	100 % of the women accepted the nutritional importance of the complimentary food "Assam Mix"	Satisfacory
				2. Production economics	Rs 8 .00 per 100 g	Rs 5.00 per 100 g (pithaguri)		
				3. Taste acceptance amongst the farm women and their children	100%	100%		

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

A) ON Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Water management										
Seed production										
Nutrient management										
Integrated Crop Management										

Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (Green Houses, Shade Net etc.)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition										
g) Medicinal and Aromatic Plants										

Nursery management										
Production and management technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Feed management										
Production of quality animal products										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										

Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
VI Agril. Engineering										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										

IX Production of Inputs at site										
Seed Production										
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										
Training to progressive farmers (Extn. Educatn)										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL										
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming										
Seed production										
Production of organic inputs										
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										

Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Value addition										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
TOTAL										
I Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management	1	17	0	17	8	0	8	25	0	25
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers	1	15	0	15	9	0	9	24	0	24

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										
Carp breeding and hatchery management	1	23	0	23	2	0	2	25	0	25
TOTAL	**3**	**55**	**0**	**55**	**19**	**0**	**19**	**74**	**0**	**74**

B) OFF Campus

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	19	40	0	40	10	0	10	50	0	50
Crop Diversification										
Integrated Farming										
Water management										
Seed production	2	44	0	44	20	0	20	64	0	64
Nursery management										
Integrated Crop Management										

Fodder production										
Production of organic inputs	2	22	0	22	28	0	28	50	0	50
Improved Production technology of Pulses	2	46	4	50	0	0	0	46	4	50
Improved Production technology of Oilseeds	2	57	0	57	0	0	0	57	0	57
Improved Production technology of Rice	3	52	0	52	24	4	28	76	6	82
Improved Production technology of Fibre crops	1	23	-	23	2	-	2	25	-	25
Post harvest techniques of major field crops										
Agroforestry	1	25	-	25	-	-	-	25	-	25
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising of winter vegetables	3	31	6	37	39	2	41	70	8	78
Exotic vegetables like Broccoli	1	11	0	11	10	2	12	21	2	23
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 crop banana	3	23	6	29	42	2	44	65	8	73
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of										

orchards										
Plant propagation techniques of Assam lemon	1	11	0	11	10	2	12	23	2	25
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 of Coconut	1	11	0	11	12	0	12	23	2	25
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology of Black pepper	2	19	2	21	27	2	29	46	4	50
Production and Management technology of Onion	1	8	2	10	15	0	15	23	2	25
Processing and value addition										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management	2	45	2	47	3	0	3	47	3	50

Soil and Water Conservation										
Integrated Nutrient Management										
Production and use of organic inputs	3	51	5	56	13	5	18	64	10	74
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing	2	28	3	31	13	5	18	41	8	49
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Feed management										
Production of quality animal products										
Fodder Production										
Goatery Management										
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	2	0	26	26	0	26	26	0	52	52
Income generation activities for empowerment of rural Women	2	0	20	20	0	23	23	0	43	43
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2	0	4	4	0	47	47	0	51	51
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	74	0	74	91	10	101	165	10	175
Integrated Disease Management										
Bio-control of pests and diseases	2	49	4	53	3	0	3	56	0	56
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming	2	50	0	50	0	0	0	50	0	50
Carp breeding and hatchery management										
Carp fry and fingerling rearing	2	20	5	25	15	10	25	40	10	50
Composite fish culture	3	81	0	81	1	0	1	82	0	82
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										
Fish Disease and Health care management										
Post Stoking management and fish farming										
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	1	6	0	6	18	2	20	24	2	26
Formation and Management of women SHGs	2	0	30	30	0	20	20	0	50	50
Mobilization of social										

capital										
Entrepreneurial development of farmers/youths										
Formation and management of Farm Science Club	2	30	0	30	20	0	20	50	0	50
Others										
Marketing of Agricultural Produce	2	47	3	50	0	0	0	47	3	50
Market driven crop planning and crop diversification	2	25	8	33	12	0	12	41	4	45
Post harvest technologies of winter vegetables										
Processing of fruits and vegetables(Home Sc)										
Cultivation of oyster mushroom										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**61**	**929**	**130**	**1059**	**428**	**162**	**590**	**1371**	**284**	**1655**
(B) RURAL YOUTH										
Mushroom Production	2	25	0	25	22	3	25	47	3	50
Bee-keeping										
Integrated farming	1	5	2	7	19	0	19	24	2	26
Seed production	2	20	2	20	26	10	36	36	12	48
Production of organic inputs	1	25	0	25	0	0	0	25	0	25
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of										

farm machinery and implements										
Nursery Management of Horticulture crops	1	22	0	22	6	0	6	28	0	28
Training and pruning of orchards										
Value addition										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture	1	1	0	1	21	3	24	22	3	25
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing	2	21	13	34	16	3	19	37	16	53
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching	2	0	29	29	0	32	32	0	61	61
Rural Crafts										
Others										
Fodder production										
Entrepreneurship development among rural youth	2	40	0	240	9	0	9	49	0	49
Production and management technology of medicinal plants										
TOTAL	**14**	**159**	**46**	**205**	**119**	**51**	**170**	**268**	**97**	**365**
© Extension Personnel										
Productivity enhancement	2	6	-	6	42	0	42	48	0	48

in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization	1	15	0	15	9	0	9	24	0	24
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										
Others										
PRA Technique										
Carp breeding and hatchery management	1	23	0	23	2	0	2	25	0	25
TOTAL	**4**	**44**	**0**	**44**	**53**	**0**	**53**	**91**	**0**	**91**

C) Consolidated table (ON and OFF Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	1	40	0	40	10	0	10	50	0	50
Crop Diversification										
Integrated Farming										
Water management										
Seed production	2	44	0	44	20	0	20	64	0	64
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs	2	22	0	22	28	0	28	50	0	50
Improved Production technology of Pulses	2	46	4	50	0	0	0	46	4	50
Improved Production technology of Oilseeds	2	57	0	57	0	0	0	57	0	57
Improved Production technology of Rice	3	52	0	52	24	4	28	76	6	82
Improved Production technology of Fibre crops	1	23	-	23	2	-	2	25	-	25
Post harvest techniques of major field crops										
Agroforestry	1	25	-	25	-	-	-	25	-	25
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops										
Off-season vegetables										
Nursery raising	3	31	6	37	39	2	41	70	8	78
Exotic vegetables like Broccoli	1	11	0	11	10	2	12	21	2	23
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	3	23	6	29	42	2	44	65	8	73
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	1	11	0	11	10	2	12	23	2	25
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	1	11	0	11	12	0	12	23	2	25
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology	2	19	2	21	27	2	29	46	4	50
Processing and value addition	1	8	2	10	15	0	15	23	2	25

g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
III Soil Health and Fertility Management										
Soil fertility management	2	45	2	47	3	0	3	47	3	50
Soil and Water Conservation										
Integrated Nutrient Management										
Production and use of organic inputs	3	51	5	56	13	5	18	64	10	74
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Soil and Water Testing	2	28	3	31	13	5	18	41	8	49
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Disease Management										
Fodder Production										
Goatery Management										
Feed management										
Production of quality animal products										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of										

low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	2	0	26	26	0	26	26	0	52	52
Income generation activities for empowerment of rural Women	2	0	20	20	0	23	23	0	43	43
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2	0	4	4	0	47	47	0	51	51
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	74	0	74	91	10	101	165	10	175
Integrated Disease Management										
Bio-control of pests and diseases	2	49	4	53	3	0	3	56	0	56
Production of bio control agents and bio pesticides										

VIII Fisheries										
Integrated fish farming	2	50	0	50	0	0	0	50	0	50
Carp breeding and hatchery management										
Carp fry and fingerling rearing	2	20	5	25	15	10	25	40	10	50
Composite fish culture	3	81	0	81	1	0	1	82	0	82
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										
Fish Disease and Health care management										
Post Stoking management and fish farming										
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	1	6	0	6	18	2	20	24	2	26
Formation and Management of SHGs	2	0	30	30	0	20	20	0	50	50
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Formation and management of Farm Science Club	2	30	0	30	20	0	20	50	0	50
Others										
Marketing of agricultural produce	2	47	3	50	0	0	0	47	3	50
Training to progressive farmers										
Market driven crop planning and crop diversification	2	25	8	33	12	0	12	41	4	45
WTO and IPR										
Post Harvest Technologies of winter vegetables										
Cultivation of oyster mushroom										
Processing of fruits and vegetables(Home Sc)										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**64**	**931**	**130**	**1061**	**428**	**162**	**590**	**1348**	**284**	**1632**
(B) RURAL YOUTH										
Mushroom Production	2	25	0	25	22	3	25	47	3	50

Bee-keeping										
Integrated farming	1	5	2	7	19	0	19	24	2	26
Seed production	2	20	2	20	26	10	36	36	12	48
Production of organic inputs	1	25	0	25	0	0	0	25	0	25
Integrated Farming										
Planting material production										
Vermi-culture										
Sericulture										
Protected cultivation of vegetable crops										
Commercial fruit production										
Repair and maintenance of farm machinery and implements										
Nursery Management of Horticulture crops	1	22	0	22	6	0	6	28	0	28
Training and pruning of orchards										
Value addition										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture	1	1	0	1	21	3	24	22	3	25
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing	2	21	13	34	16	3	19	37	16	53
Small scale processing										

Post Harvest Technology										
Tailoring and Stitching	2	0	29	29	0	32	32	0	61	61
Rural Crafts										
Others										
Fodder production										
Entrepreneurship development among rural youth (Extn. Edn)	2	40	0	240	9	0	9	49	0	49
Production and management technologies of Medicinal plants(Hort)										
TOTAL	**14**	**159**	**46**	**205**	**119**	**51**	**170**	**278**	**97**	**375**
I Extension Personnel										
Productivity enhancement in field crops	2	6	-	6	42	0	42	48	0	48
Integrated Pest Management	1	17	0	17	8	0	8	25	0	25
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization	2	30	0	0	18	0	18	48	0	48
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										
Others										
PRA Technique (Extn. Edun)										
Carp breeding and hatchery management	1	23	0	23	2	0	2	25	0	25
TOTAL	**6**	**76**	**0**	**76**	**70**	**0**	**70**	**146**	**0**	**146**

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

SL.No	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
Fishery Sc:																
1	17.811	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	25	0	25	0	0	0	25	0	25
2	27.8.11	PF	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	0	0	0	15	10	25	15	10	25
3	1.12.11	PF	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	20	5	25	0	0	0	20	5	25
4	1.9.11	PF	Integrated farming with horticultural crops	Fishery Sc	Fish production	1	Off Campus	25	0	25	0	0	0	25	0	25
5	25.2.12	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	26	0	26	1	0	1	27	0	27
6	16.3.12	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	30	0	30	0	0	0	30	0	30
7	4.11.11	PF	Integrated farming with Livestock	Fishery Sc	Fish production	1	Off Campus	25	0	25	0	0	0	25	0	25
8	9.8.11	RY	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	1	0	1	21	3	24	22	3	25
9	6.3.12	RY	Integrated farming with horticultural	Fishery Sc	Fish production	1	Off Campus	5	2	7	19	0	19	24	2	26
10	3.12.11	RY	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	11	4	15	10	0	10	21	4	25
11	5.12.11	RY	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	10	9	19	6	3	9	16	12	28
12	23.3.12	EF	Carp breeding and hatchery management	Fishery Sc	Fish production	1	On Campus	23	0	23	2	0	2	25	0	25

Extension Education:																
13	1.3.12	RY	Entrepreneurship Development	Extn. Edun	Entrepreneurship Development	1	On Campus	20	0	20	3	0	3	23	0	23
14	5.3.12	RY	Entrepreneurship Development	Extn. Edun		1	On Campus	20	0	20	6	0	6	26	0	26
15	15.9.11	PF	Marketing of Agricultural produce	Extn. Edun	Marketing	1	Off Campus	23	3	26	-	-	-	26	-	26
16	21.11.11	PF	Group dynamics and Farmers Organization	Extn. Edun	Farmers organization	1	On Campus	6	0	6	18	2	20	24	2	26
17	28.9.11	PF	Marketing of Agricultural produce	Extn. Edun	Marketing	1	Off Campus	24	0	24	-	-	-	24	0	24
18	7.9.11	PF	Market Driven Crop Planning and Diversification	Extn. Edun	Marketing	1	Off Campus	15	6	21	2	0	2	21	2	23
19	26.7.11	PF	Formation and Management of Farm Science Club	Extn. Edun	Farm Science Club	1	Off Campus	10	0	10	14	0	14	24	-	24
20	19.3.12	PF	Formation and Management of SHG	Extn. Edun	SHG	1	Off Campus	0	10	10	0	14	14	0	24	24
21	20.3.12	PF	Formation and Management of SHG	Extn. Edun	SHG	1	Off Campus	0	20	20	0	6	6	0	26	26
22	23.3.12	EF	Group dynamics and Farmers Organization	Extn. Edun	Farmers Organization	1	Off Campus	15	0	15	9	0	9	24	0	24
23	30.7.11	PF	Formation and Management of Farm Science Club	Extn. Edun	Farm Science Club	1	Off Campus	20	0	20	6	0	6	26	0	26
24	21.10.11	PF	Market Driven Crop Planning and Diversification	Extn. Edun	Marketing	1	Off Campus	10	2	12	10	0	10	20	2	22

Horticulture:																
25	28.8.11	PF	Production and management technology of Black pepper	Hort	Production and management technology	1	Off Campus	11	0	11	12	2	14	23	2	25
26	26.8.11	PF	Production and management technology of Black pepper	Hort	Production and management technology	1	Off Campus	8	2	10	15	0	15	23	2	25
27	21.2.12	PF	Cultivation of Fruit crop banana	Hort	Improved practices	1	Off Campus	11	0	11	12	2	14	23	2	25
28	6.1.12	PF	Nursery raising of winter vegetables	Hort	Nursery Mgt	1	Off Campus	9	4	13	14	0	14	23	4	27
29	15.10.11	PF	Nursery raising of winter vegetables	Hort	Nursery Mgt.	1	Off Campus	11	0	11	12	2	14	23	2	25
30	22.3.11	PF	Nursery raising of winter vegetables	Hort	Nursery Mgt.	1	Off Campus	11	2	13	13	0	13	24	2	26
31	9.12.11	PF	Cultivation of exotic vegetables(Broccoli)	Hort	High value crops	1	On campus	11	0	11	10	2	12	21	2	23
32	10.3.12	PF	Cultivation of fruit crops Banana	Hort	Production and management technology	1	Off Campus	6	3	9	15	0	15	21	3	24
33	21.3.12	PF	Cultivation of fruit crops Banana	Hort	Production and management technology	1	Off Campus	6	3	9	15	0	15	21	3	24
34	12.3.12	PF	Production and management technology of onion	Hort	Production and management technology	1	Off Campus	8	2	10	15	0	15	23	2	25
35	12.3.12	PF	Production and management technology of coconut	Hort	Production and management technology	1	Off Campus	11	0	11	12	2	12	23	2	25
36	15.3.12	PF	Propagation techniques of fruit crops	Hort	Production and management technology	1	Off Campus	11	0	11	10	2	12	23	2	25

			Assam Lemon													
37	21.9.11	RY	Nursery raising	Hort	Nursery raising	1	Off Campus	22	0	22	6	0	6	28	0	28
Home Sc																
38	6.1.12	PF	Value addition of winter Fruits and Vegetables	Home Sc	Value addition	1	Off Campus	-	25	25	0	0	0	0	25	25
39	19.3.12	PF	Value addition of winter Fruits and Vegetables at household level	Home Sc	Value addition	1	Off Campus	0	1	1	0	26	26	0	27	27
41	7.12.11	PF	Income generation activities for empowerment of Rural Women through making of tie and Die Dupptta	Home Sc	Income generation activities	1	Off Campus	0	19	19	0	0	0	-	19	19
42	17.3.12	PF	Income generation activities for empowerment of Rural Women through nutritious snacks making	Home Sc	Income generation activities	1	Off Campus	0	1	1	0	23	23	0	24	24
43	18.11.11	PF	Women and child care	Home Sc	Income generation activities	1	Off Campus	0	1	1	0	24	24	0	25	25
44	24.2.12	PF	Women and child care	Home Sc	Income generation activities	1	Off Campus	0	3	3	0	23	23	0	26	26
45	23.3.12	RY	Tailoring and stitching	Home Sc	Income generation activities	1	Off Campus	0	29	29	0	2	2	0	31	31
46	24.2.12	RY	Tailoring and stitching	Home Sc	Income generation activities	1	Off Campus	0	0	0	0	30	30	0	30	30
Plant Protection:																
47	29.7.11	PF	IPM in Rice	PP	IPM	1	Off	2	0	2	25	0	25	27	0	27

							Campus									
48	27.8.11	PF	IPM in Rice	PP	IPM	1	Off Campus	0	0	0	25	0	25	25	0	25
49	5.3.12	PF	Disease and pest management of winter vegetables	PP	Bio Control	1	Off Campus	24	4	28	3	0	3	31	0	31
50	2.9.11	PF	IPM in Rice	PP	IPM	1	Off Campus	20	0	20	4	0	4	24	0	24
51	21.1.12	PF	IPM in Rice	PP	IPM	1	Off Campus	2	0	2	22	0	22	24	0	24
52	23.2.12	RY	Cultivation of Oyster Mushroom	PP	Mushroom production	1	Off Campus	0	0	0	22	3	25	22	3	25
53	3.3.12	RY	Cultivation of Oyster Mushroom	PP	Mushroom production	1	Off Campus	25	0	25	25	0	0	25	0	25
54	29.3.12	PF	IPM in rice	PP	IPM	1	On Campus	25	0	25	0	0	0	25	0	25
55	17.3.12	PF	IPM in rice	PP	IPM	1	On campus	0	0	0	15	10	25	15	10	25
56	12.3.12	PF	IPM in rice	PP	IPM	1	On campus	25	0	25	0	0	0	25	0	25
57	23.3.12	PF	Disease and pest management of winter vegetables	PP	Bio Control	1	Off Campus	25	0	25	0	0	0	25	0	25
58	17.3.12	EF	IPM in rice	PP	IPM	1	On campus	17	0	17	8	0	8	25	0	25
Agronomy:																
59	12.9.11	PF	Production of organic inputs	Agronomy	Organic inputs	1	Off Campus	11	-	11	14	-	14	25	-	25
60	14. 9.11	PF	Production of organic inputs	Agronomy	Organic inputs	1	Off Campu	11	-	11	14	-	14	25	-	25

							s									
61	16.9.11	PF	Cropping System	Agronomy	Crop diversification	1	On campus	20	-	20	5	-	5	25	-	25
62	28.11.11	PF	Cropping System	Agronomy	Crop diversification	1	On campus	20	-	20	5	-	5	25	-	25
63	6.1.12	PF	Improved production technology of oilseeds	Agronomy	production technology of oilseeds	1	Off Campus	32	-	32	-	-	-	32	-	32
64	9.7.11	PF	Improved production technology of rice	Agronomy	production technology of rice, SRI-method	1	Off Campus	5	-	5	23	4	27	28	4	32
65	24.6.11	PF	Improved production technology of fibre crops	Agronomy	production technology of fibre crops	1	Off Campus	23	-	23	2	-	2	25	-	25
66	24.9.11	PF	Improved production technology of oilseeds	Agronomy	production technology of oilseeds	1	Off Campus	25	-	25	-	-	-	25	-	25
67	25.6.11	PF	Improved production technology of rice, SRI-method	Agronomy	production technology of rice, SRI-method	1	Off Campus	24	-	24	1	-	1	25	-	25
68	23.6.11	PF	Seed production techniques of major field crops	Agronomy	Seed production	1	Off Campus	22	0	22	12	0	12	34	0	34
69	23.9.11	PF	Seed production techniques of major field crops	Agronomy	Seed production	1	Off Campus	22	0	22	8	0	8	30	0	30
70	2.8.11	PF	Improved production technology of pulses	Agronomy	production technology of pulses	1	Off Campus	23	2	25	-	-	-	23	2	25
71	1.10.11	PF	Improved production technology of pulses	Agronomy	production technology of pulses	1	Off Campus	23	2	25	-	-	-	23	2	25
72	18.2.12	RY	Seed production techniques of rice and oilseeds	Agronomy	Seed production	1	Off Campus	5	1	5	13	5	18	18	6	24

73	23.3..12	RY	Seed production techniques of rice and oilseeds	Agronomy	Seed production	1	Off Campus	5	1	5	13	5	18	18	6	24
74	16.2.12	RY	Production of organic inputs	Agronomy	organic inputs	1	Off Campus	25	-	25	-	-	-	25	-	25
75	13.3.12	EF	Productivity enhancement in field crops	Agronomy	Productivity enhancement	1	Off campus	3	-	3	21	-	21	24	-	24
76	14.3.12	EF	Productivity enhancement in field crops	Agronomy	Productivity enhancement	1	Off campus	3	-	3	21	-	21	24	-	24
77	20.9.11	PF	Agro forestry for sustainable land use	Agronomy	Agro forestry	1	Off Campus	25	-	25	-	-	-	25	-	25
78	25.11.11	PF	Bororice cultivation including SRI method	Agronomy	production technology of rice	1	Off Campus	23	2	25	-	-	-	23	2	25
Soil Sc.																
79	18.11.11	PF	Collection and preparation of soil samples for laboratory analysis	Soil. Sc	Soil testing	1	Off Campus	23	2	25	-	-	-	23	2	25
80	28.3.12	PF	Vermi – composting	Soil. Sc	Organic manure production	1	Off Campus	23	2	25	-	-	-	23	2	25
81	10.1.12	PF	Biofertilizer and its application in agriculture	Soil. Sc	Organic manure production	1	Off Campus	23	2	25	-	-	-	23	2	25
82	27.3.12	PF	Soil fertility management	Soil. Sc	Soil fertility management	1	Off Campus	23	2	25	-	-	-	23	2	25
83	22.12.11	PF	Collection and preparation of soil samples for laboratory analysis	Soil. Sc	Soil testing	1	Off Campus	5	1	5	13	5	18	18	6	24
84	29.3.12	PF	Vermi – composting	Soil. Sc	Organic manure	1	Off Campu	5	1	5	13	5	18	18	6	24

					production		s									
85	23.3.12	PF	Soil fertility management	Soil. Sc	Soil fertility management	1	Off Campus	25	-	25	-	-	-	25	-	25
						1	On campus	3	-	3	21	-	21	24	-	24

(D) Vocational training programmes for Rural Youth: Nil

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	

*training title should specify the major technology /skill transferred

Sponsored Training Programmes:

Sl No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		

1	12.12.11	One day training programme for farmers and entrepreneurs on Opportunities in Food processing	Horticulture	Processing and preservation	1	PF/RY	1	6	5	11	30	15	45	36	20	56	IICPT, Ministry of Agriculture, GOI, Guwahati	NA
2	14.11.11	Ornamental fish breeding and rearing	Fishery	Fish Production	1	PF	1	18	7	25	0	0	0	18	7	25	.Marine product Export and Development Agency	-do-
3	16.2.12	Farmers Training	Multidisciplinary	Improved production	1	PF	1	2	0	2	85	2	87	87	2	89	Mahindra Tractors and Automobiles	-do-
4.	5.1.12 to 7.1.12	Krishak Mitra Training	Multidisciplinary	Improved production	1	PF	1	1	0	1	7	0	7	8	0	8	IFFCO, Nagaon	-do-

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	27.2.12, 29.2.12, 24.3.12, 23.2.12, 25.3.12, 27.3.12, 30.3.12, 18.3.12	8	520	62	582	126	45	171	14	1	15	660	108	768
2.	Kisan Mela	**4.2.12**	**1**	**120**	**60**	**180**	**320**	**50**	**370**	**30**	**5**	**35**	**470**	**115**	**585**

3.	Kisan Ghosthi	--	-	-	-	-	--	-	-	-	-	-	-	-	-	-
4.	Exhibition	12.11.11, 10.2.12	**2**	-	-	-	--	-	-	-	-	-	**1860**	**440**	**2300**
5.	Film Show															
6.	Method Demonstrations		10	94	8	102	30	4	34	-	-	-	124	12	136
7.	Farmers Scientist Interaction	14.3.12, 23.3.12	2	76	20	45	52	4	56	2	-	2	130	24	154
8.	Workshop/ training attended		**18**	-	-	-	-	-	-	-	-	-	-	-	-
9.	Group meetings		12	-	-	-	-	-	-	-	-	-	123	17	140
10.	Lectures delivered as resource persons		24	-	-	-	-	-	-	-	-	-	-	-	-
11.	Newspaper coverage		12	-	-	-	-	-	-	-	-	-	-	-	-
12.	Radio talks		6	-	-	-	-	-	-	-	-	-	-	-	-
13.	TV talks		-	-	-	-	-	-	-	-	-	-	-	-	-
14.	Popular articles		18	-	-	-	-	-	-	-	-	-	-	-	-
15.	Extension Literature		13	-	-	-	-	-	-	-	-	-	-	-	-
16.	Advisory Services		65	-	-	-	-	-	-	-	-	-	-	-	
17.	Scientific visit to farmers field		134	-	-	-	-	-	-	-	-	-	-	-	274
18.	Farmers visit to KVK			-	-	-	-	-	-	-	-	-	-	-	750
19.	Diagnostic visits		57	-	-	-	-	-	-	-	-	-	-	-	150
20.	Exposure visits	12.11.11, 10.2.12, 12.2.12	2							-	-	-		-	90
21.	Ex-trainees Sammelan		-	-	-	-	-	-	-	-	-	-	-	-	-
22.	Soil health Camp		-	-	-	-	-	-	-	-	-	-	-	-	-
23.	Animal Health Camp		-	-	-	-	-	-	-	-	-	-	-	-	-
24.	Agri. Mobile clinic		-	-	-	-	-	-	-	-	-	-	-	-	-
25.	Soil test campaigns			-	-	-	-	-	-	-	-	-	-	-	-
26.	Farm Science Club Conveners meet		-	-	-	-	-	-	-	-	-	-	-	-	-
27.	Self Help Group	20.1.12, 2.3.12	2	-	-	-	-	-	-	-	-	-	-	-	49

	Conveners meetings														
28.	Mahila Mandals Conveners meetings		-	-	-	-	-	-	-	-	-	-	-	-	
29.	Celebration of important days (specify)	5.6.11, 22.8.11, 22.3.12	3	-	-	-	-	-	-	-	-	-	-	-	320
30.	PRA Exercise	13.9.11, 20.10.11, 29.10.11, 29.3.12	4	-	-	-	-	-	-	-	-	-	-	-	142
31.	Farmers Scientist Interaction	14.3.12, 23.3.12	3	-	-	-	-	-	-	-	-	-	-	-	240
	Grand Total														

* Example for guidance only

3.5 Production and supply of Technological products

SEED MATERIALS:

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	**Rice**	Ranjit	73.6	200928.00	Not yet sold
		Mahsuri	39.77	108572.00	Not yet sold
		Swarnav	1.62	4427.00	8
		Joymati	0.86	2348.00	4
	Maize	HQPM	230 kg	Stock Transfer	Stock Transfer
OILSEEDS	Toria	TS-38	10.0	50000.00	Not yet sold
	Sesamum	ST-1683	0.40	3200.00	2
PULSES	Blackgram	KU-301	9.43	80155.00	58
	Greengram	Pratap	6.29	56610.00	33
VEGETABLES					
FLOWER CROPS					

OTHERS (Specify)	Jute	Tarun	1.91	21010.00	34
	Mushroom	Oyster Mushroom	17 kg	1700.00	Sold
	Apiary	Aphis malita	400 gm	50.00	sold
	Paddystraw	Ranjit	LS	-	Yet to be disposed of.
	Simalu Cotton	-	LS	10150.00	Sold

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS(Rice)	115.85	316271.00	12 nos farmers and remaining to be sold
2	OILSEEDS	10.40	53200.00	2 nos farmers and remaining to be sold
3	PULSES	15.72	136765.00	91 farmres
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
	Jute	1.91	21010.00	34 farmers
	Apiary	400gm	50.00	Sold to 4 farmers
	Mushroom	17 kg	1700.00	Sold to 25 farmers
TOTAL		144.05	528996.00	

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Banana	Malbhog	**25 suckers**	**125.00**	**Used in farm**
SPICES	Ginger	Nadia and Aizwal	**-**	**-**	**Going-on**
VEGETABLES					
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to

				No. of Farmers
1	FRUITS	25 banana suckers	125.00	Used in farm
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

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

SUMMARY

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

LIVESTOCK

Sl. No.	**Type**	**Breed**	**Quantity**		**Value (Rs.)**	**Provided to No. of Farmers**
			Nos	**Kgs**		
Pig	**Pig**	**Ghunguru**	2	-	-	Not sold
GOAT			31 nos(20+11)	-	-	Not sold

POULTRY	**Poultry**	**Vanaraja**	-	165.88	14930.00	Sold
Eggs	**Poultry**	**Vanaraja**	1880	-	9400.00	Sold
Broiler Bird	**Poultry**	**-**	-	151.90	13680.00	Sold
FISHERIES	**Fish**	**IMC and Exotic carp**	-	156.50	7590.00	Sold
Others (Specify)						

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	Pig	**Pig**	2	-	-	Not sold
2	GOAT	**Local goat**	31	-	-	Not sold
3	POULTRY	**Vanaraja (Meat)** **Eggs** **Broiler Bird**	- 1880 -	165.88 - 151.90	14930.00 9400.00 13680.00	34
4	FISHERIES	**IMC and Exotic carp**		156.50	7590.00	Sold
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.)

The first issue of KVK Newsletter i.e January, 2012 was released and 50 copies distributed.

(B) Literature developed/published :

B. 1. PUBLICATION OF BULLETIN/LEAFLETS, ETC.

Sl. No.	Year of publication	Name of the scientist	Title of bulletin/leaflet	Medium of publication (Assamese/Bengali/English)
Bulletins:				
1	2012	Deka,C.K; Deka,U.K and Saikia,M	Krishakar Babe Upalabdhya Krishi Asani Samuah(Agricultural Scheme available for the farmers)	Assamese
2	2012	Deka,U.K Deka,C.K; and Saikia,M	Kathphula- Niramish Bhojir babe ek Pustikarak Khyadya(Mushroom- a delicious food for the vegeterinian)	Assamese
3	2012	Bhagabati, S; Saikia, M; Deka, C. K; Deka ,A. M and Goswami. D.K	*Seuj sar Azollar Utpadan Pasdhyati aru krishit yar Byabahar(Production of Azolla and its use in Agriculture)*	Assamese
4	2012	Deka,A.M;Saikia, M and Dutta,J.K	*Nagaon Jilat Treadle pumpar jariyate sariyahar khetit jalababathapana.(Treadle pump technology for irrigation in toria)*	Assamese
5	2012	Deka, A.M and Kataki, A	*Masur mah, Motor mah aru Rajmahar Unnat Krishi Paddhati (Improved Cultivation practices of Lentil,pea and Rajmah)*	Assamese
6	2012	Deka, A.M and Kataki, A	*Alu khetir unata krishi padhati (Cultivation practices of Potato)*	Assamese
7	2011	Deka, A.M and Saikia, T. P	*Dhanjatiya khaisat sar prayog (Fertilizer application in cereals)*	Assamese
8	2011	Deka,C.K; Kataky,A; Deka,U.K and Dutta,J	*Bilahir Lereli Jowa Bemar Aru Niyantranar Upay* (Tomato wilt and its control measures)	Assamese
9	2011	Deka, C. K; Kataky, A; Deka,U. K and Dutta, J	*Jalakiyar Kheti* (Cultivation of Chilli)	Assamese
10	2011	Dr. M. Saikia & D. Nath	Bird flu	Assamese
11	2012	D. Nath	Ornamental Fish	Assamese
12	2012	Das,S and Saikia, M	Grismakalin Sak-Pasali Khetir Prayojaniya Tathyasamuah	Assamese
13	2012	Saikia,M and Kotoky,A	Aloo khetit TPS r byabahar.	Assamese

B. 2. PUBLICATION OF SCIENTIFIC PAPER/POPULAR ARTICLE/ETC. BY KVK SCIENTISTS

Title of the paper/ article	Name of scientist(s) in bibliographical manner	Year of publication	Name of journal/Newspaper	Vol. No. (Issue No.):pages [e.g. 88(4):104-107]
Scientific Paper				
Effect of different level of N	Saikia, M	2011	Advancement of Horticulture,	-

on growth and yield of photo under Assam lemon			BCKV, West Bengal	
Popular Articles				
E- Krishi: Adhunik Krishi Byabasthapanat Yar Gurutta	Deka, C .K and Deka. U.K	Dec, 2011	Ghare Pathare	-
Pragatisil Krishak Sri Dibyajyoti Saikiar Saite huwa Ati Kathopkathan	Deka, C .K and Dutta, J.K	Dec, 2011	Ghare Pathare	-
Krishi Khandar Unayant Bankar Bhumika	Deka, C.K	2012	Krishak Mitra Training Mannual	-
Jalabayu Paribartan aru Krishi Utpadanat yar Prabhab	Deka,N; Deka,C.K; Deka,U.K and Pathak,S	2012	Krishak Mitra Training Mannual	-
Unnat Prajukti Kaushalare kheti kari Pasalir Utpadan Bridhi	Das,S	2012	Krishak Mitra Training Mannual	-
Alukhetir Natun Dikhsamuah aru Adhunik Krishi Padhati	Saikia,M	2012	Krishak Mitra Training Mannual	-
Utkrista Pratin Jukta Makair Unnat Krishi Padhati	Saikia, M	2012	Krishak Mitra Training Mannual	-
Saisar Anistakari Bemarar susanhat Niyantran	Deka, U.K; Deka, C.K and Deka, N.	2012	Krishak Mitra Training Mannual	-
Asomar Krishakar Babe Upalabdhya Min Prajuktisamuah	Nath,D	2012	Krishak Mitra Training Mannual	-
Pan khetir unata krishi padthati	Deka, A.M	20th & 27th ,April,2011	Asomiya Pratidin	-
Barna sankar boro dhanar kheti	Deka, A.M	18th, May,2011	Asomiya Pratidin	-
Tamular bemar-ajar aru ananya samasra.l	Deka, A.M	20th, July,2011	Kolongpar	-
Krishi khetrot keshusaror bhumica aru iyar prastut pranali.	Bhagowati ,S.	2011	Kolongpar	13 (14): 3, 11.
Amlajukta matit sunor prayog.	Bhagowati ,S.	2012	-do-	13 (17): 3.
Mati porikha aru matir namuna sangrah	Bhagowati ,S.	2012	Ghare pothare	-

Fisheries Technologies and its relevant to the agro-climatic conditions of Assam.	Nath, D	2011	Kolongpar, Nagaon	-
Bandha Kabir kheti kidare Karib	Das, S	7.12.2012	Kolongpar, Nagaon	-
Phulkabi aru Bilahir Bisanggati aru yar Pratikar	Das, S	16-31 st Dec.2011	Ghare Pathare	-

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

(C) Details of Electronic Media Produced:

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	DVD	KVK, Nagaon at a Glance	10

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

Success Story 1

Mr. Manoj Choudhury, son of Late Nityananda Choudhuri is an educated unemployed youth with 34 years of age from village Samuagaon of Nagaon district under Dolong-ghat Development Block. His father was a progressive farmer as well as a village head and was the owner of 35 bigha of agricultural lands where his family was engaged in cultivating crops like *sali* rice, *ahu* rice, sugarcane, jute, greengram, blackgram, sesamum, pea, lathyrus, etc. But he did not obtain satisfactory yield from all these crops due to non adoption of improved varieties and improved production technology. Unfortunately, his father had died in the year 2006. But his only son (Manoj), after passing the Higher Secondary Examination in 2001, he was working as a school teacher in a nearby school till 2006. In absence of his father, Mr. Choudhury was facing financial difficulties for livelihood of the family. Then he leased out 10 bigha of lands to other farmers of his village for cultivation but could able to obtain very low return in terms of grains. The rest 25 bigha of lands was lying fallow with full of jungles since 2006 till October, 2011.

In the mean time during October, 2011, the scientists from KVK, Nagaon went to Mr. Choudhury's house to try with technology showcasing programme on seed production of toria in his fallow land and motivated him about the programme

and also informed him about the probable income generation from such programme. After knowing the benefits of the programme Mr. Choudhury had shown keen interest to undertake the programme in his field which was lying fallow for last 5 years. After getting inspiration and technical support from the KVK, he started cleaning of the jungles from next day and prepared land by hiring tractor/power tiller for sowing of toria in his 25 bigha lands. Toria var. M-27 along with fertilizers and pesticides (as per the recommended dose) was given to him free of cost and he could able to sow the seed on 23.11.11 and raised the crop after adopting the full package of practices. He had started harvesting on 1st March and completed on 7 March 2012. He was able to record the yield of 5.5 mounds/bigha (16 q/ha) and highly satisfied with the yield and the performance of the var M-27 and production technology as compared to their earlier yield with local variety of toria which had produced only 2.0-2.5 mounds/bigha (6.0-7.5 q/ha). He had regular contact with the scientists of KVK, Nagaon during the entire season and informed regularly about the problems of crop production and got suggestions from time to time. Scientist from KVK, Nagaon maintained regular visit to his field along with other field of Nagaon district where the technology showcasing programme was undertaken. By seeing his success in toria production, he as well as villagers could able to realize that one can earn sizeable income through agriculture also. Now he decided to become a good and successful progressive farmer in future instead of looking for job in organization. After toria he has already planned to cultivate summer green gram crop in that 25 bigha lands by adopting improved production technology. The success story of Mr. Manuj Choudhury will be an eye –opener to other educated unemployed youth of his locality for adopting farming as a means of livelihood.

Table 1: Information analysed

Crop	Problem diagnosed	Technology intervention
Toria	**Low yield** • Due to use of local toria variety • Non adoption of balance fertilization • Non-adoption of improved package of practices in toria cultivation	**High yield** • Replacement of low yielding local variety by improved high yielding variety M-27 • Use of recommended fertilizer dose • Adoption of improved package of practices

Table 2: crop yield and economic benefits

Crop	Area Cultivated	Total Production (mounds)	Production (q/ha)	Rate (Rs/q)	Gross Return (Rs/q)	Cost of production (Rs/ha)	Net Income (Rs/ha)
Toria *Var.* M-27	3.33 ha (25 bigha)	135	16.2	3200/-	51,840/-	20,500/- (jungle cleaning, land preparation, Labour, etc)	31,340/-

Success Story 2:

The name of Shri Dibyajyoti Saikia from village Dakarghat of Pakhimoria block in the Nagaon District is well known as a successful progressive farmer of the District. He has attained this status by dint of perseverance of hard working, intelligence in farm planning and management, ably supported by trainings, FLDs', OFTs' and also technical as well as financial assistances received from the KVK, Nagaon and department of Agriculture, Nagaon. He is the pride owner of 25 bighas of agricultural land. Born in a typical agriculture farm family, Sri Saikia is the eldest son of Mr. Deben Saikia and Mrs Pushpalata Saikia. He helped his father in farming activities since his school days. He has completed 10+2 in science stream and could not read further due to his poor economic condition. He started farming since 1998 in a traditional way and able to earn very low income.

In the year 2005, Mr. Saikia had come to the contact with KVK, Nagaon and attended various training programmes of KVK and seeks suggestion from the KVK in improved crop cultivation practices from time to time. He took full responsibility of whole family land and never looks back. KVK scientists conducted on-farm trials and demonstrations in his fields and in the initial stage he started cultivation on vegetable crops in scientific way. After getting inspiration and technical support from KVK, presently, he is cultivating Sali rice, bao rice, ridge gourd, cabbage, squash, Jute, toria, black gram, etc following improved package of practices. Besides this, he has owned 2 fishery units having total water area of about 4 bighas. Step by step he extended his intensive farming activities with expected returns and visible economic growth. Presently he is well supported by his family members in doing various farming activities. From the entire crop enterprise now Mr. Saikia earns an amount of Rs.**3,85,600.00** annually.

Mr. Saikia is now very comfortable in living happily with his small family comprising 2 children's, his wife and parents. Now Mr. Barman, a well known progressive farmer and many other farmers from his locality seeks his advice on scientific cultivation of crops. The success story of Sri Dibyajyoti Saikia is an eye-opener to present educated unemployed youth of Dakarghat area for starting farming as a means of livelihood. Now Mr Saikia is a highly motivated farmer and always ready to adopt new improved technology in the field of agriculture.

The details of annual crop activities of Sri Baruah are as below:

Crop	Area Cultivated (Bigha)	Production (q/ha)	Total production (q)	Selling Qty (q)	Rate (Rs/q)	Total Income (Rs.)
Sali Rice	8.0	24	57.60	30	900	27000.00
Bao Rice	7.0	36	33.60	20	800	16000.00
Toria	8.5	15	17.00	13	3200	41600.00
Black gram	8.5	12	13.60	10	5000	50,000.00
Jute	7.0	21	33.60	30	700	21000.00
Ridge Gourd	1.5	-	-	-	-	100000.00
Squash	2.0	-	-	-	-	60000.00

Fishery (2 Nos)	1.5 bigha 2.5 bigha	-	-	-	-	70,000.00
Total	**25 bigha**					**3,85,600.00**

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

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Banana	Leaves of Sunaru (*Cassia fistula*) is used for wrapping of banana in bamboo busket.	Uniform ripening
2	Mustard Seed Siever	Mr. Dibyajyoti Saikia of Dakarghat developed one mustard seed siever for easy operation of the cleaning of the seed after harvest.	Easy operation of the cleaning process and to save time

3.10 Indicate the specific training need analysis tools/methodology followed for Identification of courses for farmers/farm women

Farmers/ Farm women:

The methodology followed primarily based on PRA carried out in specific areas. Recently trainings are priotised following the District Agriculture Development Strategy under ATMA. Concerned departments, relevant institutions and farmers are consulted prior to the finalization of training programmes.

Rural Youth

Self employment avenues and need based problems are identified through survey / PRA conducted in different areas. Salient findings of the survey utilizing in planning, formulation and implementation of training programmes leading to income generation and entrepreneurship development.

In-service personnel:

The extension functionaries are already engaged in the process of transfer of technology are called for training on the need based areas and critical issues which are identified through discussion with concerned heads of the developmental departments of the district.

3.11 Field activities

i. Number of villages adopted: 1
ii. No. of farm families selected:
iii. No. of survey/PRA conducted: 4

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment : 2006-07
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Auto Analyzer	1	248484.00
2	Mechanical Shaker (150ml cap)	1	22278.00
3	Water Distillation Set	1	39280.00
4	Plant Sample Grinder	1	15750.00
5	Spectrophotometer	1	26424.00
6	pH meter	1	8307.00
7	Conductivity meter	1	9757.00
8	Hot plate	1	3375.00
9	Pen pH meter	3	3000.00
10	Chemical Balance	1	32500.00
11	Physical Balance (5.0kg)	1	4500.00
12	Physical Balance (2.5 kg)	1	3000.00
13	Mechanical Shaker	1	18563.00
14	Hot Air Oven	1	21330.00
15	Flame Photo meter	1	25301.00
16	Refrigerator	1	14062.0000
Total		**18**	**495911.00**

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	75	75	15	-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-

Petiole Samples	-	--	-	-
Total	75	75	15	-

4.0 IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Sugarcane variety : Dhansiri	650	60	40600.00	75476.00
Sali rice: Hybrid var. PA-6444	200	25	9995.00	25574.00
Seed priming in wheat	200	10	86040.00	14695.00
Green gram variety : Pratap	300	35	10275.00	26883.00
Toria variety : TS-38	500	45	6350.00	13400.00
Irrigation management in Toria	250	30	3340.00	8725.00
Irrigation management in Boro rice by recommended practices	400	30	19245.00	27885.00

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

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1.Department of Agriculture, Nagaon	Collaborative training programme, OFT and Demonstration
2.Department of Vety.& AH, Nagaon	Collaborative training programme
3.Department of Fishery, Nagaon	Collaborative training programme
4.Jute Mill, Silghat	Exposure visit
5. AIR, Nagaon	Publicity, Field Programme etc
6. Gramin Vikash Bank, Nagaon	Collaborative training programme for SHGs and Farmers club
7.Agricultural Technology Management Agency (ATMA)	Training, Demonstration, Field visit and Surveys
8. Department of Sericulture, Nagaon	Collaborative training programme

9.Grammya Unnayan Sanstha (NGO)	Training
10.Saptarangi Mahila Krishak Sangha,Raha (NGO)	Training
11.Indian Farmers Fertilizer Cooperative Limited.(IFFCO)	Collaborative training programme
12. National Bank for Agriculral & Rural Development (NABARD)	Collaborative training programme for SHGs and Farmers club
13. State Institute of Rural Development (SIRD), Amoni	Collaborative training programme for SHGs and Farmers club
14. ATMA, Morigaon	Collaborative training programme
15. Mahindra Tractors and Automobiles	Collaborative training programme

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

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
FPARP phase-II	November, 2011	Ministry of water Resource, New Delhi	3,60,000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Training , Demonstration and Survey	Resource Person	

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

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board: Nil

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Display and Demo unit	2010	-	-	-	-	-	-	Exhibits is being displayed
2	Mushroom unit	2010	-	Oyster Mushroom	Fresh mushroom	17 kg	-	1700.00	Production going on
3	Composting unit	2011	-	-	-	-	-		Production going on
4	Vermicompost Unit	2012	-	-	-	-	-	-	Production will be started soon
5	Azolla Production Unit	2012	-	-	-	-	-	-	Production will be started soon
6	Rice-Fish Vegetable Unit	2010	-	-	-	-	-	-	Production going on
7	Poultry unit	2010	-	Vanaraja, Broiler bird	Eggs, meat	**Meat:** 165.88 Kg **Eggs:** 1880 nos **Broiler Bird:** 151.90 kg		14930.00 9400.00 13679.00	Production going on
8	Goatery unit	2010	-	Local breed		32 Nos	-	-	Not yet sold
9	Composite fish unit	2011	-	Rahu, Katlam Mrigal, Grass carp, etc	Fish	156.5	-	7590.00	Production going on

6.2 Performance of instructional farm (Crops) including seed production:

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	1st week of June, 2011	November, 2011	2.24	Ranjit	Foundation seed	73.6 qt	81840.00	200928.00	Selling will start from April, 2012
	1st week of June, 2011	November, 2011	1.48	Mahsuri	FS	39.77 qt	54073.00	108572.00	
	Last part	June, 2011	0.05	Swarnav	FS	1.62 qt	1800.00	4427.00	Sold

	of Dec, 2010								
	Last part of Dec, 2010	June , 2011	0.05	Joymati	FS	0.86 qt	1800.00	2348.00	
Pulses									
Green gram	March, 2011 & Aug, 2011	June, 2011 and Nov, 2011	1.50	Pratap	FS	6.29qt	45966.00	56610.00	Sold.
Black gram	March, 2011 and Sept, 2011	June, 2011 and Dec, 2012	1.97	KU-301	Foundation seed	9.43qt	48147.00	80155.00	1.4 qt to be sold.
Oilseeds									
Sesamum	Last part of March, 2011	Last part of June, 2011	0.13	ST-1683	FS	0.40 qt	1294.00	3200.00	20 kg to be sold
Toria (TS-38)	Oct, 2011	Dec, 2011-Jan, 2012	2.0	TS-38	Foundation seed	10.0 qt	43676.00	50000.00	To be sold
Fibers									
Spices & Plantation crops									
Floriculture	-								
Fruits									
Vegetables									
Okra	April, 2011	Aug,2011	-	Arka Anamika	Seed	400 gm	--	40.00	Used in farm
									Others (specify)
Jute seed	June, 2011	Nov, 2011	2.0	Tarun	FS	1.91 qt	19540.00	21010.00	Selling going on

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

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

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

Sl.	Name	Details of production	Amount (Rs.)	Remarks

		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

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

6.5 Utilization of hostel facilities

Accommodation available (No. of beds): 30

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	SBI, AAU, Jorhat	AAU campus, Jorhat	10253820770
With KVK	SBI, Nagaon	Nagaon	10965237291

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

No release and no expenditure during 2011-12

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2012
	Kharif 2011-12	Rabi 2011–12	Kharif 2011-12	Rabi 2011-12	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of funds under FLD on Pulses *(Rs. In Lakhs)*
No release and no expenditure during 2011-12

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2012
	Kharif 2011-12	Rabi 2011 -12	Kharif 2011-12	Rabi 2011-12	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.5 Utilization of KVK funds during the year 2010-1 1(year-wise separately) (current year and previous year):

S. No.	Particulars	Sanctioned (In lakhs)	Released	Expenditure	Remarks
A. Recurring Contingencies					
1	**Pay & Allowances**	42.00		4351043.00	Excluding arrear UGC pay and arrear estt pay of 6 cpc of Rs 4921597.00 and Rs: 177681.00 as CPF university contribution
2	**Traveling allowances**	1.50		101203.00	
3	**Contingencies 8.00**				
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			118718.00	
B	POL, repair of vehicles, tractor and equipments			69324.00	
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)			133600.00	
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			8300.00	
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			25819.00	
G	Training of extension functionaries				
H	Maintenance of buildings				
I	Establishment of Soil, Plant & Water Testing Laboratory				

J	Library				
TOTAL (A)		**51.50**		4808007.00	
B. Non-Recurring Contingencies					
1	Works	29.00		-	Non recurring expenditure incurred by DEE, AAU, Jorhat.
2	Equipments including SWTL & Furniture				
3	Vehicle (Four wheeler/Two wheeler, please specify)				
4	Library (Purchase of assets like books & journals)	0.10		9941.00	
TOTAL (B)		0.10		9941.00	
C. REVOLVING FUND -					
GRAND TOTAL (A+B+C)		**80.60**		4817948.00	Excluding as mentioned above.

Utilization of KVK funds during the year 2011 -12 (upto March, 2012)

S. No.	Particulars	Sanctioned (in lakhs)	Released	Expenditure	Remarks
A. Recurring Contingencies					
1	**Pay & Allowances**	63.80		6367426.00	
2	**Traveling allowances**	1.40		1,39,944.00	
3	Contingencies (Rec)	5.00			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			99,997.00	
B	POL, repair of vehicles, tractor and equipments			41867.00	
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)			135198.00	
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)			33932.00	
G	Training of extension functionaries			66285.00	
H	Maintenance of buildings/ farm			122710.00	
I	Establishment of Soil, Plant & Water Testing				

	Laboratory				
J	Library				
TOTAL (A)		**70.20**		7007359.00	
B. Non-Recurring Contingencies					
1	Works		-	-	
2	Equipments including SWTL & Furniture				
3	Vehicle (Four wheeler/Two wheeler, please specify)				
4	Library (Purchase of assets like books & journals)	0.10		9976.00	
TOTAL (B)		0.10		9976.00	
C. REVOLVING FUND					
GRAND TOTAL (A+B+C)		**70.30**		7017335.00	

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2009 to March 2010	88025.00	23661.00	53548.00	58138.00
April 2010 to March 2011	58138.00	104920.00	87653.00	75405.00
April 2011 to March 2012	75405.00	479715.00	*364888.00	190232.00

- **By expenditure : Rs. 304734.00**
- **By transfer : Rs. 60154.00**

Total : Rs. 364888.00

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

8.1 Constraints

(a) Administrative
(b) Financial
(c) Technical

Annexures

District Profile - I

Include the details of

1. General census:

Total geographical area	: 373451ha
Latitude	: 26^0 N
Longitude	: $90^0 45^/$ E
Altitude	: 50.2 m

Demographic information (2001 Census):

Total population	: 23, 14,629
Rural population	: 20, 36,542 (87.98%)
Urban population	: 2, 78,287 (12.02%)
Population Density	: 620 / sq km
Sex ratio	: 940: 1000 (F: M)

2. Agricultural and allied census

Total geographical area	: 373451 ha
Cultivable area	: 286872 ha (76.82% of geographical area)
Cultivated area	: 271285 ha (72.64% of geographical area)
Total forest area	: 46031 ha (12.32%)
Barren & Uncultivated land	: 5320 ha (1.96 %of cultivated area)
Land put to non agricultural use	: 22652 ha (6.07% of geographical Area)
Cultivable waste	: 11154 ha (3.89 %of cultivable area)
Pasture and Grazing land	: 3060 ha
Current fallow	: 4433 ha (1.54% of cultivated area)
Misc. plantation	: 9516 ha
Land not available for cultivation	: 53536ha
Cropping Intensity	: 192%
Area under HYV	: 174427 ha (64.29% of cultivated area)
Fertilizer Consumption/ha	: 62 kg
Tea Gardens	: 23

3. Agro climatic Zone:

Central Brahmaputra Valley Zone: The zone is consisted of two districts with four Agricultural Sub-divisions viz. Nagaon, Raha, Hojai and Kaliabor in Nagaon and one sub division in Morigaon district. The major physiographic variations of the zone are low hills; piedmont and high land areas, flood plain, char lands and swampy areas. The climate of the zone is generally humid sub-tropical

Formatiert: Englisch (USA)

(hot and wet in summer and cool in winter). The relative humidity is about 37% in the month of February /March and about 80% in other months. The zone receives mean annual rainfall of 1800 mm with five winter months having rainfall less than 100 mm. The monsoon commences from March and intensity gradually increases up to August and then declines to the minimum during November/ December. During rainy season, Water supply goes above water need and excess water causes stagnation and flood in many areas. In winter water table recedes beyond root zone of the field crops. The maximum temperature rises up to 38 ^{0} C in July-August and minimum falls to 8 ^{0} C in January.

4. Major and micro-farming systems :

Agri – Horti
Agri – Horti – Dairy
Agri – Horti – Fishery
Agri – Horti - Poultry
Agri – Horti - Piggery
Agri – Horti – Fishery - Duckery
Agri – Seri – Piggery

5. **Description of major agro-ecological situation**

No	Agro ecological situation	Characteristics
1	Humid Alluvial Non Flooded	Upland, medium land, low land, deep and very deep water situation and occasional drought
2	Sub Humid Alluvial Non Flooded	Upland, medium land, low land situation for rice, upland for sugarcane, vegetables, pulses, low rainfall
3	Alluvial Flooded	Upland, medium land, low land, deep and very deep water situation for rice, pre flood and post flood rice, rabi vegetables, rice ,pulses and oilseeds
4	Char land	Rainfed, wheat, pulses, oilseeds, vegetables etc
5	Humid piedmont and high land	Rainfed arhar, sugarcane, soybean, tea garden and forest
6	Sub Humid piedmont and high land	Rainfed arhar, sugarcane, soybean, tea garden and forest
7	Hill areas	Rainfed crops, coffee, rubber and tea estates
8	Forest	Only reserved forests with forest villages
9	Tea Estates	Low lying inter tilla or high land areas utilize for rice

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

- Summer rice – Winter rice
- Jute – Winter rice
- Summer vegetables-winter vegetables
- Jute- winter rice- Toria
- Winter rice- Wheat

- Jute- winter rice- potato
- Jute- winter rice- rabi pulses
- Summer pulses- Kharif vegetables- rabi oilseeds/pulses
- Summer pulses- Kharif vegetables- rabi oilseeds/pulses
- Summer pulses- Kharif pulsess- rabi vegetables

7. Major agriculture and allied enterprises

- Winter rice
- Summer rice
- Autumn rice
- Jute
- Toria
- Wheat
- Black gram
- Green gram
- Sugarcane
- Vegetables
- Other horticultural crops
- Fishery
- Animal husbandry
- Sericulture

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

Include

1. Names of villages, focus area, target area etc.: Details given in table 2.6.1
2. Survey methods used (survey by questionnaire, PRA, RRA, etc.)
   a. PRA survey
   b. Survey by questionnaire
   c. Direct interaction with farmers
   d. Through developmental departments of the district.
3. Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc.
4. Analysis and conclusions
5. List of location specific problems and brief description of frequency and extent/ intensity/severity of each problem

6. Matrix ranking of problems
7. List of location specific thrust areas : given in table 2.7
8. List of location specific technology needs for OFT and FLD

OFT

Varietal Performance of Toria. (Var.: TS-67)
Seed priming in Wheat
Use of Zero tillage seed drill for timely sowing of wheat
Cultivation of Sugarcane by improved variety (Var. Dhansiri, Barak, Lohit)
Soil test based fertilizer application (Var. Dhansiri)
IPM on Sugarcane (Var. Barak)
Cultivation of Sali rice by using Hybrid varieties (Var. PA -6444, NK – 5251, HR – 185, NK – 3325)
Performance of low input Sali rice varieties (Var. LIRV – 7, LIRV – 8, LIRV – 9, LIRV – 10) under normal and delayed sowing conditions
Performance of Sali rice varieties (Var. OV-1, OV-2, OV-3, OV-4,) under organic farming situation
Performance of dual purpose poultry (Vanaraja variety) under agro-climatic condition of Nagaon district.
Productive & Reproductive Performance of Pig feeding with Mineral Supplements
Management of Bacterial wilt in Brinjal Biofor-PF
Rhizome rot management in ginger using Biofor-PF
Integrated pest management in *Olitorius* Jute
Storage of wheat seeds/grains against stored grain pests

FLD

Toria cultivation by using HYV (TS-46, TS- 38)
Sesamum cultivation by using HYV (ST-1683)
Cultivation of Rajmah by improved variety (Var. HUR 301, HUR -203)
Cultivation of Green gram by improved variety (Var. Pratap / SG-21-5)
Cultivation of Lentil by improved variety (Var. PL-406)
Use of anticoccidial dug in local fowl
Performance of Assam local goat under high nutrient feeding

9. Matrix ranking of technologies
10. List of location specific training needs
    i. Integrated Disease management
    ii. Integrated Pest management
    iii. Integrated Nutrient management
    iv. Improved production technology of crops
    v. Use of bio-fertilizer for crop production.

Technology Inventory and Activity Chart - III

Include

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

Sl. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/citation
1.	Cultivation of magur	Fishery	2007	FRC, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
2.	Feeding carps with balanced diet	Fishery	2003	FRC, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
3.	Use of aerator in carp pond	Fishery	2005	FRC, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
4	Varietal Performance of Toria. (Var.: TS-67)	Agronomy	2009	RARS,AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
5	Seed priming in Wheat	Agronomy	2009	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
6	Use of Zero tillage seed drill for timely sowing of wheat	Agronomy	2009	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.

7	Cultivation of Sugarcane by improved variety (Var. Dhansiri, Barak, Lohit)	Agronomy	2006	SRS, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
8	Soil test based fertilizer application (Var. Dhansiri)	Agronomy	2006	SRS, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
9	IPM on Sugarcane (Var. Barak)	Agronomy	2006	SRS, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
10	Cultivation of Sali rice by using Hybrid varieties (Var. PA -6444, NK – 5251, HR – 185, NK – 3325)	Agronomy	Under pipeline	RARS, Titabor, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
11	Performance of low input Sali rice varieties (Var. LIRV – 7, LIRV – 8, LIRV – 9, LIRV – 10) under normal and delayed sowing conditions	Agronomy	Under pipeline	RARS, Diphu, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
12	Performance of Sali rice varieties (Var. OV-1, OV-2, OV-3, OV-4,) under organic farming situation	Agronomy	Under pipeline	RARS, Diphu, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
13	Performance of dual purpose poultry (Vanaraja variety) under agro-climatic condition of Nagaon district.	Animal Sc	2005	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.

14	Productive & Reproductive Performance of Pig feeding with Mineral Supplements	Animal Sc	2005	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
15	Pitcher Drip irrigation in Betelvine	Horticulture	Under pipeline	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
16	Weed management in Brinjal	Horticulture	2006	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
17	Management of Bacterial wilt in brinjal and tomato	Plant Protection	Under pipeline	AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
18	Rhizome rot management in Ginger using Biofor-PF	Plant Protection	2004	Deptt. Of Plant Pathology, AAU	Agricultural technology inventory for North Eastern region, AAU, Zonal Co-ordinating Unit, Zone-III, ICAR.
19	Integrated Pest management in jute (*Olitorius*)	Plant Protection	Under pipeline	RARS, Shillongani, AAU	RARS, Shillongani, AAU
20	Storage of wheat seeds /grains against stored grain pest	Plant Protection	Under pipeline	RARS, Shillongani, AAU	RARS, Shillongani, AAU

PS * an example for guidance only

3. Activity Chart

Crop/Animal/Enterprise	Problem	Cause	Solution	Activity	Reference of Technology
Toria	Low Yield	Use of low yielding local variety and non replacement of seeds	Use of HYV (TS 38	Training and FLD to popularize the variety among the farmers.	Proceedings of the Workshop on Package of Practices of Kharif and Rabi Crops, AAU , Jorhat and Department of Agriculture Assam.
Wheat	Low Yield	1. Late sowing of Wheat 2. Pre harvest sprouting of wheat seed due to pre-monsoon rains.	Use of short duration wheat variety (DBW – 14)	Training and FLD to popularize the variety among the farmers	Sl. No. 19 of Technology Inventory
Lentil	Low Yield	Use of local variety.	Use of HYV (PL – 406)	Training and FLD to popularize the variety among the farmers	Proceedings of the Workshop on Package of Practices of Kharif and Rabi Crops, AAU , Jorhat and Department of Agriculture Assam.
Blackgram	Low Yield	Low and imbalanced use of fertilizer	Potassium management in Greengram	FLD to popularize the variety among the farmers	Sl. No. 15 of Technology Inventory
Rajmah	Low Yield	Use of local variety.	Use of HYV (PDR - 14)	Training and FLD to popularize the variety among the farmers	Proceedings of the Workshop on Package of Practices of Kharif and Rabi Crops, AAU , Jorhat and Department of Agriculture Assam
Lathyrus	Low Yield	Delayed Sowing due to late harvest of previous crop.	Utera cropping of Lathyrus	FLD to popularize the variety among the farmers	Sl. No. 21 of Technology Inventory
Jute	Low Yield	Use of low yielding local variety.	Use of HY new Jute variety Tarun	FLD to popularize the variety among the farmers	Proceedings of the Workshop on Package of Practices of Kharif and Rabi Crops, AAU , Jorhat and Department of Agriculture Assam
Greengram	Low Yield	Low and imbalanced use of fertilizer	Potassium management in Greengram	FLD to popularize the variety among the farmers	Sl. No. 15 of Technology Inventory
Sugarcane	Low Yield	1. Use of low yielding local variety 2. Low and imbalanced use of fertilizer. 3. Infestation of insect ,	1. Use of HY sugarcane variety – Dhansiri, Barak, Lohit 2. Soil test based fertilizer application.	OFT to assess the technology	Sl. No. 20 of Technology Inventory

		pest and diseases.	3. IPM module with Pheromon trap		
Fodder	Low Yield	Use of local fodder cultivars	Use of improved fodder cultivars – Hybrid Napier, Congo Signal, Sateria.	OFT to assess the technology	Proceedings of the Workshop on Package of Practices of Kharif and Rabi Crops, AAU , Jorhat and Department of Agriculture Assam
Boro Rice	Low Yield	Potassium deficiency	Recommended dose of N and P with 45 kg of K_2O in 3 equal splits	OFT to assess the technology	Sl. No. 14 of Technology Inventory

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

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

1. Green gram
Variety: Pratap: Suitable for both kharif and summer season, garin yield 12-14 qt/ha, maturity duration 60-70 days, resistant to Cercosproa leaf spot and tolerant to YMV.
2. Lathyrus:
Var: Biol 212: Suitable for rabi season, grain yield 10-12 qt/ha, maturity duration 115-125 days, suitable for utera cultivation, negligible ODAP content.
3. Jute
Var: Tarun: suitable for high medium and medium low land situation, sowing time end of March to May, fibre yield 27-36 qt/ha, resistant to stem and root rot.
4. Wheat:
Var: DBW 14: suitable for both irrigated and rainfed condition, maturity duration 100-105 days, high yielder (32-35 q/ha under irrigated condition), easy threshibility, tolerant to leaf blight , high protein content(11.6%), good grain appearance and chapatti quality, best grade quality, suitable for all zones of Assam except hill zone .

5. Toria:
Var: TS-38: maturity duration 90-95 days, yield 10-12 q/ha, oil content 44.6%
6. Rajmah
Var: Uday(PDR-14) : maturity duration 100-120 days, yield 15-20 q/ha, erect branch and determinate type.
7.Blackgram:
Var: T-9: Suitable for both summer and khairif season, maturity duration 70-80 days, yield 10-13 q/ha, tolerant to cercospora leaf spot and YMV.
8. Lentil:
Var: PL406: Duration 120-125 days, yields 10-12 q/ha, branched, semi spreading, 35-40 cm in height and medium seeded vaiety.

b. Details of technologies that may include formulation, quantity, time, methods of application of nutrients, pesticides, fungicides etc., for technologies selected under FLD and OFTs:

1**. Potassium management in Green gram / Black gram**: Application of potash @ 15 kg/ha as basal application.
2. Utera cropping of Lathyrus: Depending upon the availability of soil moisture broadcast sowing of lathyrus at dough stage of Sali rice(10-15 days before harvest of rice)
3. Potassium management in irrigated Boro rice: Recommended dose of N & P with 45 kg K2O/ha in 3 equal splits(1/3 rd as basal+ 1/3 rd at maximum tillering stage+ 1/3 rd at panicle initiation stage) instead of 30 kg K2O /ha as basal.

c. Details of location/area specificity of recommended technology viz., for each of the variety/breed/technology selected for FLD and OFT

1. Green gram
Variety: Pratap: Suitable for up to medium land situation under rainfed and irrigated condition.
2. Lathyrus:
Var: Biol 212: Suitable for up to medium land situation under rainfed condition.
3. Jute
Var: Tarun: suitable for high medium and medium low land situation,
4. **Wheat:**
Var: DBW 14: Suitable for up to medium land situation under irrigated and rainfed condition
5. Toria:
Var: TS-38: Suitable for up to medium land situation under irrigated and rainfed condition
6. Rajmah
Var: Uday(PDR-14) : Suitable for up to medium land situation under irrigated condition
7. Blackgram:
Var: T-9: Suitable for both summer and kharif season under rainfed and irrigated condition in up and medium land situation.
8. Lentil:
Var: PL406: Suitable for up to medium land situation under irrigated and rainfed condition

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