REVISED PROFORMA FOR ANNUAL REPORT – 2010-2011 (April, 2010-March, 2011)

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,Nagaon 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. Tulshi Prasad Saikia	03672221252	9435162356	tpsaikia@gmail.com

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

1.5. Staff Position (as on 30th September 2010)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr.T.P.Saikia	Programme Coordinator	Agronomy	37400.00-6700.00	57840.00	17.07.09	Permanent	OBC
2	Subject Matter Specialist	Mrs. A.M.Deka	SMS	Agronomy	15600.00-39100.00	22990.00	6.11.09	Permanent	OBC
3	Subject Matter Specialist	Mr.C.K.Deka	SMS	Agril Extension	15600.00-39100.00	22990.00	7.11.09	Permanent	General
4	Subject Matter Specialist	Dr. B. Dutta	SMS	Animal Sc	15600.00-39100.00	22990.00	28.11.09	Permanent	OBC
5	Subject Matter Specialist	Miss. P.Nath	SMS	Home Sc	15600.00-39100.00	22990.00	12.11.09	Permanent	OBC
6	Subject Matter Specialist	Mr. U.K. Deka	SMS	Plant Pathology	15600.00-39100.00	22250.00	10.08.09	Permanent	General
7	Subject Matter Specialist	Mrs. Sibani Das	SMS	Horticulture	15600.00-39100.00	21600.00	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	Com.Programmer	Vacant	-	-			-	-	
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.G.C.Baidya	Accountant	-	8000.00-35000.00	22180.00	01.06.04	Permanent	OBC
12	Stenographer	Mr.H.Saikia	Stenographer	-	8000.00-35000.00	17740.00	01.03.06	Permanent	Gen
13	Driver	Mr. M.Bora	Driver	-	5200.00-20000.00	13980.00	01.03.06	Permanent	OBC
14	Driver	Vacant	-	-			-	-	
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) : 13.0 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.53 ha
2.	Under Demonstration Units	1.1 ha
3.	Under Crops	4.61 ha
4.	Avenue plantation	0.73 ha
5.	Others (specify)	
	Proposed Administrative buildings	0.67 ha
	Roads and drainage	0.36 ha
	Under Green manuring crop (land being developed)	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, 2011	-	-	-	-	Completed
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	RKVY	-	-	-	-	-	Completed
8	Farm godown	RKVY	March, 2011	-	-	-	-	Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2006	490503.00	49249	Good
Tractor	2003	297213.00	3075	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

List of farm equipment:

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

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

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 (2010-11)

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 Koliabor 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 (qtl)*	Productivity (qtl /ha)*
1	Winter rice	136000	326400	24.00
2	Summer rice	68000	2563600	37.70
3	Autumn rice	41000	984000	24.00
4	Wheat	5100	49980	9.80
5	Jute	8000	164800	20.60
6	Sugarcane	10000	3962000	396.20
7	Green gram	900	4815	5.35
8	Black gram	600	3978	6.63
9	Pea	5000	27250	5.45
10	Lentil	2000	9300	4.65
11	Toria	29000	190820	6.58
12	Sesamum	1100	4785	4.35

* = no change of unit is allowed

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April, 2010	273.4	29.4	20.7	76.5
May, 2010	255.8	31.0	22.3	78
June, 2010	540.4	31.3	24.4	81
July, 2010	281.6	32.7	26.0	81
Aug, 2010	264.2	32.96	25.73	81
Sep, 2010	236.4	32.0	25.1	84
Oct, 2010	92.8	31.2	23.7	82.5
Nov, 2010	1.2	28.9	18.3	79.5
Dec, 2010	3.4	24.8	12.4	78.5
Jan, 2011	3.6	22.35	9.98	72.5
Feb, 2011	2.8	26.16	11.96	75.5
March, 2011	73.2	29.3	17.1	70.5

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 (2010-2011)

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
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 2010-11

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
13	13	31	31	6	6	85	85

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	2	2	100	145
Rural youth					Kisan mela	-	-	-	-
Extn. Functionaries					Diagnostic visit	35	48	35	48
					Scientist visit	74	82	74	82
					Farmers visit	-	178	-	-
					Radio talk	5	5	-	-
					Publications	Bulletins:14 Popular Articles:34			

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
	136.25(Total of diff. crops)	-	-

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	Ahu rice (var. Kolong)	Low Yield	Performance of Ahu rice under SRI	NA	Improved Production Technology of Ahu rice	NA	Method Demonstration	Seeds, fertilizers & pesticides
2	Situation Specific Variety	Sali rice (Var. TTB-103-22-1, TTB-103-22-2)	Low Yield	Testing of newly developed rice varieties for double cropped Sali rice areas	NA	Improved Production Technology of Sali rice	NA	Method Demonstration	Seeds, fertilizers & pesticides
3	Situation Specific Variety	Sali rice (Var. TTB-103-22-1, TTB-103-22-2)	Problem of water submergence in some Sali rice areas	Testing of newly developed rice varieties for water logged situation	NA	Improved Production Technology of Sali rice	NA	Method Demonstration	Seeds, fertilizers & pesticides
4	Production Technology	Boro rice (var. Joymati, Sawrnabh, PA-6444)	Low Yield	Performance of Boro rice varieties under SRI	NA	Improved Production Technology of Boro rice	NA	Method Demonstration	Seeds, fertilizers & pesticides

5	Production Technology	Poultry (var: Vanaraja)	Low yield in local chicken	Performance of dual purpose poultry (variety vanaraja) under agro cliomatic condition of Nagaon District	NA	Scientific Management of Poultry	NA	Demonstration	Vanaraja chick & medicine
6	Production Technology	CB Pig	Low performance due to mineral deficiency	Productive & reproductive performance of Pig feeding with mineral mixture (AAU Vet Min P)	NA	Scientific Management of Pig	NA	Demonstration	Mineral mixture & medicine
7	Situation Specific Variety	Summer green gram (Var. Pratap)	Low Yield	NA	Performance of greengram	Improved Production Technology of green gram	NA	Method Demonstration	Seeds, fertilizers & pesticides
8	Situation Specific Variety	Kharif Sesamum (Var. ST-1683)	Low Yield	NA	Performance of Sesamum	Improved Production Technology of Sesamum	NA	Method Demonstration	Seeds, fertilizers & pesticides
9	Situation Specific Variety	Kharif Black gram (Var. KU-301)	Low Yield	NA	Performance of Black gram	Improved Production Technology of Black gram	NA	Method Demonstration	Seeds, fertilizers & pesticides

10	Situation Specific Variety	Toria (var.	Low Yield	NA	Performance of Toria	Improved Production Technology of Toria	NA	Method Demonstration	Seeds, fertilizers & pesticides
11	Situation Specific Variety	Lentil	Low Yield	NA	Performance of Lentil	Improved Production Technology of Lentil	NA	Method Demonstration	Seeds, fertilizers & pesticides
12	Situation Specific Variety	Wheat	Low Yield	NA	Performance of Wheat	Improved Production Technology of Wheat	NA		
13	Control of Bacterial wilt diseases	Brinjal	Low yield due to diseases	Management of bacterial wilt in brinjal using Biofor-PF	NA	NA	NA	Method Demonstration	Seeds, fertilizers & Biofor-PF
14	Control of Bacterial wilt diseases	Ginger	Low yield due to diseases	Rhizome rot management in ginger using Biofor-PF	NA	NA	NA	Method Demonstration	Seeds, fertilizers & Biofor-PF
15	Control of Pest and diseases	Jute	Low yield due to pest and diseases	IPM in Jute	NA	NA	NA	Method Demonstration	Seeds, fertilizers & *Trichoderma viride*, Neemoil, Pesticides
16	Control of pest	Wheat	Low seed germination due to pest infestation	Protection of wheat seed against storage pest	NA	NA	NA	Method Demonstration	Black pepper and polybags

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	Ahu rice Sali rice Boro rice				Brinjal					**4**
Seed / Plant production					Potato					**1**
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	Wheat			Jute						**2**
Integrated Disease Management					Brinjal. Ginger					2
Resource conservation technology								Betelvine		1
Small Scale income generating enterprises										
TOTAL										

* *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:

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

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

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

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

A. Technology Assessment

Trial 1

1	Title	:	Early Ahu Rice cultivation by SRI Method (Var. Kolong)
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 grain yield was found highest (48.50q/ha) in the SRI method followed by RP (39.00q/ha) as compared to FP (28.50q/ha).
8	Final recommendation for micro level situation	:	For increasing production of rice, SRI method may be recommended
9	Constraints identified and feedback for research	:	Partial fulfillment of method due to continuous rains from March,2010 onwards (i.e Crop growth & development period)
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 and RARS, Nagaon along with the participatory farmers. The farmers were highly satisfied with the yield performance of the SRI technology.

Trial 2:

1	Title	:	Testing of newly developed rice varieties for double cropped Sali areas.
2	Problem diagnose/defined	:	Low yield and and low cropping intensity.
3	Details of technologies selected for assessment/refinement	:	Assessment i. Farmers Practice ii. Improved variety- TTB 103-2-21& TTB 103-22-2
4	Source of technology	:	AAU, Jorhat
5	Production system thematic area	:	Rainfed medium land
6	Thematic area	:	Situation Specific Variety
7	Performance of the Technology with performance indicators	:	The variety TTB 103-22-2 recorded the highest grain yield of 48.0q/ha followed by TTB 103-2-21 (40.50q/ha) against the farmers practice (27.0q/ha).
8	Final recommendation for micro level situation	:	The improved rice varieties TTB 103-2-21& TTB 103-22-2 may be recommended for double 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 and RARS, Nagaon along with the participatory farmers. The farmers were highly satisfied with the performance of the varieties under double cropped Sali areas.

Trial 3

1	Title	:	Testing of newly developed rice varieties for water logged situation
2	Problem diagnose/defined	:	Lack of suitable rice varieties for water logged situation

3	Details of technologies selected for assessment/refinement	:	Assessment i. Farmers Practice ii. Improved variety- TTB 303-1-26, 03-1-42, TTB 303-2-23 & TTB 303-14-1
4	Source of technology	:	AAU, Jorhat
5	Production system thematic area	:	Rainfed medium land
6	Thematic area	:	Situation Specific Variety
7	Performance of the Technology with performance indicators	:	Not satisfactory
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	Upto heading stage crop was very good but at heading stage few heads were came out which were chaffy.
10	Process of farmers participation and their reaction	:	Farmers were unsatisfied with the varieties.

Trial 4

1.	Title	:	Performance of Boro Rice under SRI Method of cultivation (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	:	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	:	Performance of dual purpose poultry (variety: Vanaraja) under agro-climatic condition of Nagaon District
2	Problem diagnose/defined	:	Low yield in local chicken
3	Details of technologies selected for assessment/refinement	:	Dual purpose variety of chicken VANARAJA
4	Source of technology	:	ICAR
5	Production system thematic area	:	
6	Thematic area	:	Evaluation of Breed
7	Performance of the Technology with performance indicators	:	The average egg production of vanaraja chicken is found 84 nos./ year where as the egg production of local chicken is 35/ year.
8	Final recommendation for micro level situation	:	The vanaraja variety is chicken may perform very well in this region of the country.
9	Constraints identified and feedback for research	:	Source is very limited
10	Process of farmers participation and their reaction	:	The farmers were highly satisfied & interested to rear vanaraja chicken.

Trial 6:

1	Title	:	Productive & reproductive performance of Pig feeding with mineral mixture (AAU Vet Min P)
2	Problem diagnose/defined	:	Low performance due to mineral deficiency
3	Details of technologies selected for assessment/refinement	:	Mineral mixture (AAU Vet Min P)
4	Source of technology	:	AAU

5	Production system thematic area	:	
6	Thematic area	:	Production Technology
7	Performance of the Technology with performance indicators	:	The av. litter size in treated group is 8.9/ litter where as the av. litter size in untreated group is 7.2.
8	Final recommendation for micro level situation	:	The mineral mixture may perform well with some modifications.
9	Constraints identified and feedback for research	:	The price is high with limited availability.
10	Process of farmers participation and their reaction	:	The farmers are satisfied with slight increased in litter size.

Trial 7:

1	Title	:	Pitcher drip irrigation in betel vine
2	Problem diagnose/defined	:	Low yield during winter season
3	Details of technologies selected for assessment/refinement	:	
4	Source of technology	:	AAU
5	Production system thematic area	:	Rainfed Upland
6	Thematic area	:	Water management
7	Performance of the Technology with performance indicators	:	FP: 19.89 q/ ha With drip irrigation: 30.42 q/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	:	Pitchers gets broken sometimes
10	**Process of farmers participation and their reaction**	:	The farmers are satisfied

Trial 8:

1	Title	:	Late planting of potato (Kufri Giridhari) in rice potato double cropping sequence
2	Problem diagnose/defined	:	Non availability of late planting material
3	Details of technologies selected for assessment/refinement	:	
4	Source of technology	:	AAU
5	Production system thematic area	:	Rainfed medium land
6	Thematic area	:	Potato production

7	Performance of the Technology with performance indicators	:	FP: 62.96 q/ha Demo: 125.93 q/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	:	Getting the late planted variety is difficult
10	Process of farmers participation and their reaction	:	The farmers are satisfied

Trial 9:

1	Title	:	Multilocational testing of brinjal varieties
2	Problem diagnose/defined	:	Use of local varieties by the farmers
3	Details of technologies selected for assessment/refinement	:	
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	:	FP: 155.56 q/ha Demo yield: V1: 200 q/ha V2: 177.78 q/ha V3: 155.56 q/ha V4: 174.07 q/ha
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	The farmers are satisfied

Trial 10:

1	Title	:	Management of bacterial wilt in brinjal
2	Problem diagnose/defined	:	Bacterial wilt in brinjal
3	Details of technologies selected for assessment/refinement	:	Farmers practice and use of Biofor-PF
4	Source of technology	:	AAU
5	Production system thematic area	:	Irrigated medium land
6	Thematic area	:	Bacterial wilt in brinjal
7	Performance of the Technology with performance indicators	:	FP: 123.75 q/ha Biofor-PF treatment: 157.50 q/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	:	Source is very limited
10	Process of farmers participation and their reaction	:	The farmers were highly satisfied & interested use Biofor-PF

Trial 11:

1	Title	:	Rhizome rot management in ginger
2	Problem diagnose/defined	:	Rhizome rot
3	Details of technologies selected for assessment/refinement	:	Farmers practice and 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	:	FP: 135.00 q/ha Biofor-PF treatment: 176.25 q/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	:	Limited source
10	Process of farmers participation and their reaction	:	The farmers were highly satisfied & interested use Biofor-PF

Trial 12:

1	Title	:	IPM in Jute.
2	Problem diagnose/defined	:	Pest and diseases
3	Details of technologies selected for assessment/refinement	:	Farmers practice and use of *Trichoderma viride*, neem oil.Endosulfan
4	Source of technology	:	AAU
5	Production system thematic area	: :	Rainfed medium land
6	Thematic area	:	IPM
7	Performance of the Technology with performance indicators	:	Farmers Practice: 14.67 q/ha T.viride treatment: 21.35 q/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	:	-
10	Process of farmers participation and their reaction	:	The farmers were highly satisfied

Trial 13:

1	Title	:	Protection of wheat seed/ grain against storage pest
2	Problem diagnose/defined	:	Pest attack in store
3	Details of technologies selected for assessment/refinement	:	Farmers practice and use of black pepper powder
4	Source of technology	:	AAU
5	Production system thematic area	: :	Rainfed
6	Thematic area	:	Control of pest
7	Performance of the Technology with performance indicators	:	Av.% of damaged grain: 8% in treated and 54 % in non treated seed. Cost Benefit ration: 1.33
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	:	-
10	Process of farmers participation and their reaction	:	The farmers were highly satisfied

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
Ahu rice (var. Kolong)	Irrigated medium land	Low yield	Performance of Ahu rice under SRI method of cultivation	3	-	Yield	FP:28.50q/ha IM: 39.00q/ha SRI: 48.50q/ha	-	Satisfactory
Sali rice (Var. TTB-103-22-1, TTB-103-22-2)	Rainfed medium land	Low yield	Testing of newly developed rice varieties for double cropped Sali rice areas	2	-	Yield	FP: 27.00q/ha TTB 103-2-21: 40.50q/ha TTB 103-22-2: 48.00q/ha	-	Satisfactory
Sali rice (Var. TTB 303-1-26, TTB 303-1-42, TTB-303-2-23, TTB 303-14-1)	Rainfed lowland	Non availability of varieties under water logged situation	Testing of newly developed rice varieties for water logged situation	1	-	Yield	-	-	Not Satisfactory
Boro rice (var. Joymati, Sawrnabh, PA-6444)	Irrigated medium land	Low yield	Performance of Boro rice varieties under SRI method of cultivation	3	-	Crop is in field at heading stage	-	-	-
Betelvine (Jatipan)	Upland	Low yield	Pitcher drip irrigation in Betelvine	1	-	Yield	Drip: 30.42q/ha F.M: 19.89q/ha	-	Satisfactory

Potato(Kufri Giridhari)	Medium land	Non availability of late planting material	Late planting of Potato in Rice potato double cropping sequence	1	-	Tuber yield	FP: 103.70 q/ha Demo yield: 125.93 q/ha	-	Satisfactory
Brinjal	Upland	Use of local varieties by the farmers	Testing of newly developed brinjal varieties	1	1	Fruit yield	FP: 103.70 q/ha Demo yield: GB 09/05 : 140.74 q/ha, GB 09/16-02: 155.56 q/ha GB 09/12: 133.33 q/ha, GB 09/ 02-02: 144.44 q/ha	-	Satisfactory
Vanaraja chicken	-	Low yield in local chicken	Performance of dual purpose poultry (variety: Vanaraja) under agro-climatic condition of Nagaon District	5	-	Egg production	Local: Av. 35 nos. of egg/ bird/year Vanaraja: Av. 84 nos. of egg/ bird/ yr	-	Satisfactory

Pig	-	Low performance due to mineral deficiency	Productive & reproductive performance of Pig feeding with mineral mixture (AAU Vet Min P)	4	-	Production Performance	**Av wt gain at 10 months:** Treated: 86 Untreated: 80 **Av. Litter size:** Treated: 8.9 Untreated: 7.2	-	Satisfactory
Brinjal	Irrigated medium land	Bacterial wilt in brinjal	Management of bacterial wilt in brinjal.	2	-	Yield	FP: 123.75 q/ha Biofor-PF treatment: 157.50 q/ha	-	Satisfactory
Ginger	Rainfed up land	Rhizome rot	Rhizome rot management in ginger.	2	-	Yield	FP: 135.00 q/ha Biofor-PF treatment: 176.25 q/ha	-	Satisfactory
Jute	Rainfed medium land	Pest and diseases	IPM in Jute.	3	-	Yield	FP: 14.67q/ha T. Viride treatment: 21.35q/ha	-	Satisfactory
Wheat	Rainfed	Pest attack in storage	Protection of wheat seed/ grain against storage pest.	3	-	Seed germination		-	Satisfactory

- ***No. of farmers***

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
Performance of Ahu rice under SRI (Var. Kolong)			
FP	2850kg/ha	7690.00	1.43
IM:	3900q/ha	16240.00	1.83
SRI	4850q/ha	26035.00	2.48

Testing of newly developed rice varieties for double cropped Sali rice areas			
Farmers Practice	2700 kg/ha	6608.00	1.37
TTB 103-2-21	4050kg/ha	17043.00	1.88
TTB 103-22-2	4800kg/ha	23799.00	2.23
Pitcher drip irrigation in betelvine			
With irrigation	3042kg/ha	25319.67	1.25
Farmers practice	1989kg/ha	9018.00	0.82
Late planting potato in rice cropping sequence Kufri Giridhari			
Kufri Giridhari	125.93 q/h	74446.00	1.50
Farmers Practice	96.30 q/ha	37340.00	0.90
Multilocation Testing of newly developed brinjal varieties			
FP	103.70 q/ha	61100.00	1.6
V1, V2, V3, V4	GB(V1) 09/05 : 140.74 q/ha, GB(V2) 09/16-02: 155.56 q/ha GB(V2) 09/12: 133.33 q/ha, GB (V3)09/ 02-02: 144.44 q/ha	GB 09/05 : 91990.00 GB 09/16-02: 106810.00 GB 09/12: 49830.00 GB 09/ 02-02:95690.00	GB 09/05 : 1.8 GB 09/16-02: 2.1 GB 09/12: 1.73 GB 09/02-02: 1.9
Performance of dual purpose poultry (variety: Vanaraja) under agro-climatic condition of Nagaon District			
Local Chicken	35 nos. of egg/ bird/year	5895.00	3.36
Vanaraja	84 nos. of egg/ bird/year	12500.00	3.68
Productive & reproductive performance of Pig feeding with mineral mixture (AAU Vet Min P)			
Treated	Av. wt gain at 10 months: 86 kg/ animal Av. Litter size: 8.9 nos.	30200.00	5.59
Untreated:	Av wt gain at 10 months: 80 kg/animal Av. Litter size: 7.2 nos.	17200.00	5.37
Management of bacterial wilt in brinjal.			
FP	123.75 q/ha	54000.00	2.20
Biofor-PF treatment	157.50 q/ha	77500.00	2.76
Rhizome rot management in ginger.			
FP	135.00	187500.00	2.25
Biofor-PF treatment	176.25	284935.00	2.83

IPM in Jute			
Farmers Practice	14.67	14448.00	1.65
T.viride treatment	21.35	28779.00	2.17
Protection of wheat seed/grain against storage pest			
Non treated	54% damage in storage	1130.00	0.77
Black pipper powder treatment	8% damage in storage	1310.00	1.33

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

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

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 2010-11 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	4	18	5
2	Toria		Performance of Toria Var. TS-38 with Recommended Package of Practice	-Do-	6	15	4
3	Toria		Irrigation Management in Toria with Recommended Package of Practice	-Do-	1	3	1
4	Lentil	Pulse production	Performance of Lentil Var. PL-406 with Recommended Package of Practice	-Do-	4	11	3
5.	Rajmah		Performance of Rajmah Var. HUR-301 with Recommended Package of Practice	-Do-	5	8	1
6	Wheat	Cereal production	Seed priming in wheat with Recommended Package of Practice	-Do-	4	10	2
7	Wheat		Sowing of wheat with zero tillage seed drill machine with Recommended Package of Practice	-Do-	4	10	2
8	Rice		Irrigation Management in Boro rice with Recommended Package of Practice	-Do-	2	7	2

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

b. Details of FLDs implemented during 2010-11 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Green gram	Pulse production	Performance of summer green gram var.Pratap with Recommended Package of Practice	Kharif: 2010-11	4	4	4	11	15	Not applicable
2	Black gram		Performance of Kharif Black gram var. KU-301 with Recommended Package of Practice	Kharif: 2010-11	4	4	3	12	15	Not applicable
3	Lentil		Performance of Lentil var. PL406 with Recommended Package of Practice	Rabi: 2010-11	4	4	3	12	15	Not applicable
4	Sesamum	Oil seed production	Performance of Kharif Sesamum var. ST-1683 with Recommended Package of Practice	Kharif: 2009-10	4	4	3	12	15	Not applicable
5	Toria		Performance of Toria var. TS-46 with Recommended Package of Practice	Rabi: 2010-11		4	3	12	15	Not applicable
6	Wheat	Cereal production	Performance of wheat var. K-0 307 with Recommended Package of Practice	Rabi: 2010-11	4	4	3	7	10	Not applicable

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					
Green gram	Kharif 2010-11	Rainfed	Sandy loam	L	M	L	Wheat/ rabi maize/ rabi vegetables	1st wk of March	3rd week of June	621.2	46
Black gram	Kharif 2010-11	Rainfed	Sandy loam	M	L	M	Wheat/ rabi maize/ rabi vegetables	3rd week of August	4th week of November	597.0	44
Lentil	Rabi: 2010-11	Irrigated	Sandy loam	M	M	L	Summer vegetables/ jute	2nd wk of Novemb	3rd week of March	101.0	11
Sesamum	Kharif 2009-10	Rainfed	Sandy clay Loam	L	M	M	Summer vegetables/ Summer pulses	2nd wk of August	3rd wk of November	597.0	44
Toria	Rabi 2010-11	Irrigated	Sandy loam to clay loam	M	M	M	Kharif pulse / summer vegetables	1st wk of November	2nd wk of February	101.0	11
Wheat	Rabi 2010-11	Irrigated	Sandy clay loam	L	M	M	Kharif pulse / summer vegetables	2nd wk of November	1st week of April	84.2	11

c. Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Green gram	Performance of summer green gram var.Pratap with Recommended Package of Practice	Pratap	15	4	9.5	6.5	8.03	4.5	78.44	950 kg/ha	650 kg/ha
2.	Black gram	Performance of Kharif Black gram var. KU-301 with Recommended Package of Practice	KU-301	15	4	13.5	9.0	11.4	6.5	75.38	1140 kg/ha	650 kg/ha
3.	Lentil	Performance of Lentil var. PL-406 with Recommended Package of Practice	PL- 406	15	4			8.11	5.0	62.20	811 kg/ha	500 kg/ha
4.	Sesamum	Performance of Kharif Sesamum var. ST-1683 with Recommended Package of Practice	ST-1683	15	4	7.3	5.5	6.3	4.2	50.00	630 kg/ha	420 kg/ha

5.	Toria	Performance of Toria var. TS-46 with Recommended Package of Practice	TS-46	15	4	12.0	9.0	11.06	7.0	58.0	1106 kg/ha	700 kg/ha
6.	Wheat	Performance of wheat var. K-0 307 with Recommended Package of Practice	K-0 307	10	4	38.25	25.0	30.10	19.2	56.77	3010kg/ha	1920kg/ha

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**
17282	14475	44165	24750	26883	10275	2.55 (1.70)
17482	15025	45600	26000	28118	12975	2.61 (1.86)
16982	13980	40550	25000	23568	11020	2.39 (1.78)
13390	11240	28350	18900	15025	7950	2.12 (1.68)
12476	9280	33180	21000	20704	11720	2.66 (2.26)
21505	17700	45150	26880	23645	9180	2.10 (1.52)

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 20-50% increase in yield over the existing local varieties with local practice

g. Farmers' reactions on specific technologies

S. No	Feed Back
1	Farmers were highly impressed with the performance of improved varieties along with the other crop management practices followed in the farmer's field.

h. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	5	27.11.10	121	Field Day on sali rice (Ranjit)
			08.01.11	100	Field Day on Toria (TS-46)
2	Farmers Training	8	02.04.10	14	Farmers Training on improved production technologies on Greengram
			04.08.10	13	Farmers Training on improved production technologies on Blackgram
			09.08.10	15	Farmers Training on improved production technologies on Sesamum
			10.11.10	11	Farmers Training on improved production technologies on Lentil
			12.11.10	10	Farmers Training on improved production technologies on Toria
			20.11.10	10	Farmers Training on improved production technologies on Wheat

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		

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

(iii) Other Enterprises: Nil

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								

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	1	22	3	25	-	-	-	22	3	25
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	1	20	-	20	5	-	5	25	-	25
Integrated Farming										
Water management										
Seed production										
Nutrient management	1	29	-	29	-	-	-	29	-	29
Integrated Crop Management										
Fodder production										
Production of organic inputs										
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	16	-	16	5	-	5	21	-	21
Off-season vegetables										
Nursery raising										
Exotic vegetables like Broccoli	1	-	18	18	-	9	9	-	27	27

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	1	21	-	21	4	-	4	25	-	25
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	10	5	15	3	7	10	13	12	25
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	1	25	4	29	11	1	12	36	5	41
Training to progressive farmers (Extn. Educatn)	2	24	0	24	-	-	-	24	0	24
XI Agro-forestry										
Production technologies										
Nursery management										

Integrated Farming Systems										
TOTAL	**18**	**167**	**30**	**197**	**28**	**17**	**45**	**195**	**47**	**242**
(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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
(C) Extension Personnel										
Productivity enhancement in field crops	1	21	-	21	3	-	3	24	-	24
Integrated Pest Management	2	19	-	19	3	-	3	22	-	22
Integrated Nutrient management	1	21	-	21	1	-	1	22	-	22
Rejuvenation of old orchards										
Protected cultivation										

technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Care and maintenance of farm machinery and implements										
WTO and IPR issues										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Women and Child care										
Low cost and nutrient efficient diet designing										
Production and use of organic inputs										
Gender mainstreaming through SHGs										
TOTAL	**4**	**61**	**-**	**61**	**7**	**-**	**7**	**68**	**-**	**68**

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	1	21	2	23	7	-	7	28	2	30
Cropping Systems										
Crop Diversification										
Integrated Farming	1	5	-	5	19	-	19	24	-	24
Water management										
Seed production	1	19	-	19	6	-	6	25	-	25
Nursery management										
Integrated Crop Management										
Fodder production										
Production of organic inputs	2	29	3	32	18	-	18	47	3	50
Improved Production technology of Pulses	1	23	2	25	-	-	-	23	2	25
Improved Production technology of Oilseeds	2	56	-	56	-	-	-	56	-	56
Improved Production technology of Rice	2	29	-	29	24	4	28	53	4	57
Improved Production technology of Fibre crops	1	23	-	23	2	-	2	25	-	25
Post harvest techniques of major field crops	1	13	-	13	19	-	19	32	-	32
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	-	22	22	-	3	3	-	25	25

Off-season vegetables										
Nursery raising	2	28	21	49	1	2	3	29	23	52
Exotic vegetables like Broccoli	1	-	-	-	25	-	25	25	-	25
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	35	-	35	41	-	41	76	-	76
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										

d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology	1	25	-	25	-	-	-	25	-	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										
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	2	26	21	47	2	1	3	28	22	50
Poultry Management										
Piggery Management	2	14	8	22	10	18	28	24	26	50
Rabbit Management										
Disease Management	2	24	17	41	2	8	10	26	25	51
Feed management										
Production of quality animal products										
Fodder Production	1	15	2	17	1	-	1	16	1	17
Goatery Management	2	7	33	40	-	1	1	7	34	41
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet	1	-	24	24	-	1	1	-	25	25
Designing and development for high nutrient efficiency diet										

Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1	-	24	24	-	1	1	-	25	25
Income generation activities for empowerment of rural Women	3	-	55	55	-	27	27	-	82	82
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	4	25	-	25	78	-	78	103	-	103
Integrated Disease Management										
Bio-control of pests and diseases	1	5	-	5	9	-	9	14	-	14
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming	2	26	12	38	8	5	13	34	17	51
Carp breeding and hatchery management	3	46	12	58	16	3	19	62	15	77
Carp fry and fingerling rearing										
Composite fish culture	5	97	14	111	11	3	14	108	17	125
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										
Formation and Management of women	1	25	-	25	-	-	-	25	-	25

SHGs										
Mobilization of social capital	1	13	5	18	5	-	5	18	5	23
Entrepreneurial development of farmers/youths										
Formation and management of Farm Science Club	1	5	-	5	17	-	17	22	-	22
Others										
Marketing of Agricultural Produce	3	65	-	65	11	-	11	76	-	76
Market driven crop planning and crop diversification	1	11	-	11	14	-	14	25	-	25
Post harvest technologies of winter vegetables	1	2	20	22	1	3	4	3	23	26
Processing of fruits and vegetables(Home Sc)	1	-	24	24	-	2	2	-	26	26
Cultivation of oyster mushroom	1	26	-	26	-	-	-	26	-	26
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**59**	**748**	**321**	**1069**	**347**	**81**	**402**	**1095**	**402**	**1497**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming	1	24	-	24	-	-	-	24	-	24

Seed production	1	5	1	6	13	5	18	18	6	24
Production of organic inputs	1	25	-	25	-	-	-	25	-	25
Integrated Farming	2	23	0	23	22	5	27	45	5	50
Planting material production										
Vermi-culture	1	25	-	25	-	-	-	25	-	25
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	1	19	-	19	-	-	-	19	-	19
Quail farming										
Piggery										
Rabbit farming										
Poultry production	2	23	30	53	2	-	2	25	30	55
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture	1	15	0	15	10	0	10	25	0	25
Freshwater prawn										

culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing	2	46	6	52	0	0	0	46	6	52
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Others										
Fodder production										
Entrepreneurship development among rural youth	1	14	-	14	6	-	-	20	-	20
Production and management technology of medicinal plants	1	7	17	24	-	3	3	7	20	27
TOTAL	**14**	**226**	**54**	**280**	**53**	**13**	**66**	**279**	**67**	**346**
(C) Extension Personnel										
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old										

orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization	1	10	-	10	-	-	-	10	-	10
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	1	13	-	13	1	-	1	14	-	14
TOTAL	**2**	**23**	**-**	**23**	**1**	**-**	**1**	**24**	**-**	**2**

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	1	22	3	25	-	-	-	22	3	25
Resource Conservation Technologies	1	21	2	23	7	-	7	28	2	30
Cropping Systems										
Crop Diversification	1	20	-	20	5	-	5	25	-	25
Integrated Farming	1	5	-	5	19	-	19	24	-	24
Water management										
Seed production	1	19	-	19	6	-	6	25	-	25
Nursery management	1	29	-	29	-	-	-	29	-	29
Integrated Crop Management										
Fodder production										
Production of organic inputs	2	29	3	32	18	-	18	47	3	50
Improved Production technology of Pulses	1	23	2	25	-	-	-	23	2	25
Improved Production technology of Oilseeds	2	56	-	56	-	-	-	56	-	56
Improved Production technology of Rice	2	29	-	29	24	4	28	53	4	57
Improved Production technology of Fibre crops	1	23	-	23	2	-	2	25	-	25
Post harvest techniques of major field crops	1	13	-	13	19	-	19	32	-	32

II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	-	22	22	-	3	3	-	25	25
Off-season vegetables										
Nursery raising	2	28	21	49	1	2	3	29	23	52
Exotic vegetables like Broccoli	3	16	18	34	30	9	39	46	27	73
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	35	-	35	41	-	41	76	-	76
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										

Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology	1	25	-	25	-	-	-	25	-	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										
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	2	26	21	47	2	1	3	28	22	50
Poultry Management										
Piggery Management	2	14	8	22	10	18	28	24	26	50
Rabbit Management										
Disease Management	2	24	17	41	2	8	10	26	25	51
Fodder Production	1	15	2	17	1	-	1	16	1	17
Goatery Management	2	7	33	40	-	1	1	7	34	41
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	1	-	24	24	-	1	1	-	25	25
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	2	-	24	24	-	1	1	-	25	25
Income generation activities for empowerment of rural Women	3	-	55	55	-	27	27	-	82	82
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	4	25	-	25	78	-	78	103	-	103
Integrated Disease Management										
Bio-control of pests and diseases	1	5	-	5	9	-	9	14	-	14
Production of bio control agents and bio pesticides										
VIII Fisheries										
Integrated fish farming	2	26	12	38	8	5	13	34	17	51
Carp breeding and hatchery management	3	46	12	58	16	3	19	62	15	77
Carp fry and fingerling rearing										
Composite fish culture	5	97	14	111	11	3	14	108	17	125
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	2	21	-	21	4	-	4	25	-	25
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	10	5	15	3	7	10	13	12	25
Formation and Management of SHGs	1	25	-	25	-	-	-	25	-	25
Mobilization of social capital	1	13	5	18	5	-	5	18	5	23
Entrepreneurial development of farmers/youths	1	25	4	29	11	1	12	36	5	41
WTO and IPR issues										
Others										
Marketing of agricultural produce (Extn. Edn)	3	65	-	65	11	-	11	76	-	76
Training to progressive farmers (Extn. Edn)	2	24	0	24	-	-	-	24	0	24
Market driven crop planning and crop diversification (Extn. Edn)	1	11	-	11	14	-	14	25	-	25
Formation and management of Farm Science Club (Extn. Edn)	1	5	-	5	17	-	17	22	-	22
Post Harvest Technologies of winter vegetables(Hort)	1	2	20	22	1	3	4	3	23	26
Cultivation of oyster mushroom	1	26	-	26	-	-	-	26	-	26

Processing of fruits and vegetables(Home Sc)	1	-	24	24	-	2	2	-	26	26
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**69**	**937**	**320**	**1259**	**393**	**60**	**453**	**1330**	**380**	**1685**
(B) RURAL YOUTH										
Mushroom Production										
Bee-keeping										
Integrated farming	1	24	-	24	-	-	-	24	-	24
Seed production	1	5	1	6	13	5	18	18	6	24
Production of organic inputs	1	25	-	25	-	-	-	25	-	25
Integrated Farming	2	23	0	23	22	5	27	45	5	50
Planting material production										
Vermi-culture	1	25	-	25	-	-	-	25	-	25
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	1	19	-	19	-	-	-	19	-	19
Quail farming										
Piggery										
Rabbit farming										
Poultry production	2	23	30	53	2	-	2	25	30	55
Ornamental fisheries										
Para vets										
Para extension workers										
Composite fish culture	1	15	0	15	10	0	10	25	0	25
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing	2	46	6	52	0	0	0	46	6	52
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Others										
Fodder production										
Entrepreneurship development among rural youth (Extn. Edn)	1	14	-	14	6	-	6	20	-	20
Production and	1	7	17	24	-	3	3	7	20	27

management technologies of Medicinal plants(Hort)										
TOTAL	**14**	**226**	**54**	**280**	**53**	**13**	**66**	**279**	**67**	**346**
(C) Extension Personnel										
Productivity enhancement in field crops	1	21	-	21	3	-	3	24	-	24
Integrated Pest Management	2	19	-	19	3	-	3	22	-	22
Integrated Nutrient management	1	21	-	21	1	-	1	22	-	22
Rejuvenation of old orchards										
Protected cultivation technology										
Formation and Management of SHGs										
Group Dynamics and farmers organization	1	10	-	10	-	-	-	10	-	10
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)	**1**	**13**	**-**	**13**	**1**	**-**	**1**	**14**	**-**	**14**
TOTAL	**6**	**84**	**-**	**84**	**8**	**-**	**8**	**92**	**-**	**92**

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	22.07.10	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	23	0	23	2	0	2	25	0	25
2	16.08.10	PF	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	20	0	20	6	0	6	26	0	26
3	25.08.10	PF	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	13	7	20	6	0	6	19	6	25
4	04.09.10	RY	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	25	0	25	0	0	0	25	0	25
5	06.09.10	RY	Integrated farming	Fishery	Fish production	1	Off	0	0	0	20	5	25	25	0	25

			with horticultural crops	Sc			Campus									
6	09.09.10	RY	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	15	0	15	10	0	10	25	0	25
7	25.09.10	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	25	0	25	0	0	0	25	0	25
8	27.09.10	RY	Integrated farming with duckery	Fishery Sc	Fish production	1	Off Campus	23	0	23	2	0	2	25	0	25
9	22.01.11	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	19	6	25	0	0	0	19	6	25
10	04.02.11	PF	Integrated farming with horticultural	Fishery Sc	Fish production	1	Off Campus	18	8	26	0	0	0	18	8	25
11	05.02.11	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	20	1	21	3	1	4	23	2	25
12	16.02.11	RY	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	21	6	27	0	0	0	21	6	27
13	21.03.11	PF	Integrated farming with poultry	Fishery Sc	Fish production	1	Off Campus	8	4	12	8	5	13	16	9	25
14	22.03.11	PF	Carp fry & fingerling rearing	Fishery Sc	Fish production	1	Off Campus	13	5	18	4	3	7	17	8	25
15	23.03.11	PF	Composite fish culture	Fishery Sc	Fish production	1	Off Campus	10	7	17	6	2	8	16	9	25
Extension Education:																
16	18.6.2010	PF	Entrepreneurship Development	Extn. Edun	Entrepreneurship Development	1	On Campus	25	4	29	11	1	12	36	5	41
17	7.7.2010 and 8.7. 2010	PF	Training to Progressive farmers	Extn. Edun		2	On Campus	24	0	24	-	-	-	24	0	24
18	13.9.2010	PF	Marketing of Agricultural produce	Extn. Edun	Marketing	1	Off Campus	26	-	26	-	-	-	26	-	26
19	14.9.2010	PF	Mobilization of Social capital in villages	Extn. Edun	Social Capital in villages	1	Off Campus	13	5	18	5	-	5	18	5	23
20	30.9.2010	PF	Group dynamics	Extn.	Farmers	1	On	10	5	15	3	7	10	13	12	25

			and Farmers Organization	Edun	organization		Campus									
21	23.11.2010	PF	Marketing of Agricultural produce	Extn. Edun	Marketing	1	Off Campus	25	-	25	-	-	-	25	-	25
22	26.2.2010	PF	Marketing of Agricultural produce	Extn. Edun	Marketing	1	Off Campus	14	-	14	11	-	11	25	-	25
23	28.2.2010	PF	Market Driven Crop Planning and Diversification	Extn. Edun	Marketing	1	Off Campus	11	-	11	14	-	14	25	-	25
24	2.3.2011	PF	Formation and Management of Farm Science Club	Extn. Edun	Farm Science Club	1	Off Campus	5	-	5	17	-	17	22	-	22
25	3.3.2011	PF	Formation and Management of SHG	Extn. Edun	SHG	1	Off Campus	25	-	25	-	-	-	25	-	25
26	23.12.2010	RY	Entrepreneurship development in Youths	Extn. Edun	Entrepreneurship development	1	Off Campus	14	-	14	6	-	6	20	-	20
27	27.8.2010	EF	Group dynamics and Farmers Organization	Extn. Edun	Farmers Organization	1	Off Campus	10	-	10	-	-	-	10	-	10
28	16.9.2010	EF	PRA Technique	Extn. Edun	PRA	1	On Campus	13	-	13	1	-	1	14	-	14
Horticulture:																
29	28.9.2010	PF	Production of low volume and High value crops	Hort	High value crops	1	Off Campus	-	22	22	-	3	3	-	25	25
30	1.10.2010	PF	Production and management technology of Black pepper	Hort	Production and management technology	1	Off Campus	25	-	25	-	-	-	25	-	25
31	4.10.2010	PF	Cultivation of Fruit crop Pine apple	Hort	Improved practices	1	Off Campus	25	-	25	-	-	-	25	-	25
32	23.10.2010	PF	Nursery raising	Hort	Nursery Mgt	1	Off Campus	25	-	25	1	-	1	26	-	26

33	29.1.2011	PF	Nursery raising	Hort	Nursery Mgt.	1	Off Campus	3	21	24	-	2	2	3	23	26
34	26.2.2011	PF	Post harvest technologies of winter vegetables and fruit crops	Hort	Post harvest technologies	1	Off Campus	2	20	22	1	3	4	3	23	26
35	16.3.2011	PF	Cultivation of exotic vegetables	Hort	High value crops	1	On campus	16	-	16	5	-	5	21	-	21
36	26.3.2011	PF	Cultivation of exotic vegetables(Broccoli & Capsicum)	Hort	High value crops	1	On campus	-	18	18	-	9	9	-	27	27
37	28.3.2011	PF	Cultivation of exotic vegetables (Broccoli & Capsicum)	Hort	High value crops	1	Off campus	-	-	-	25	-	25	25	-	25
38	29.3.2011	PF	Cultivation of fruit crops Banana	Hort	Production and management technology	1	Off Campus	7	-	7	18	-	18	25	-	25
39	30.3.2011	PF	Cultivation of fruit crops Banana	Hort	Production and management technology	1	Off Campus	3	-	3	23	-	23	26	-	26
40	30.7.2010	RY	Production and management technology of Medicinal Plants	Hort	Production and management technology	1	Off Campus	7	17	24	-	3	3	7	20	27
Animal Science:																
41	27.7.2010	PF	Scientific Management of Pig	An. Sc.	Production and management technology	1	Off Campus	14	8	22	3	-	3	17	8	25
42	24.8.2010	PF	Fodder Production	An. Sc.	Production and management technology	1	Off Campus	15	2	17	1	-	1	16	1	17
43	27.8.2010	PF	Diary management	An. Sc.	Production and management technology	1	Off Campus	2	21	23	-	1	1	2	22	24
44	22.1.2011	PF	Scientific	An. Sc.	Production and	1	Off	7	13	20	-	1	1	7	14	21

			management of Goat		management technology		Campus									
45	15.2. 2011	PF	Scientific management of cattle	An. Sc.	Production and management technology	1	Off Campus	24	-	24	2	-	2	26	0	26
46	17.2 .2011	PF	Scientific management of Goat	An. Sc.	Production and management technology	1	Off Campus	-	20	20	-	-	-	0	20	20
47	22..03.2011	PF	Scientific Management of Pig	An. Sc.	Production and management technology	1	Off Campus	-	-	-	7	18	25	7	18	25
48	25.03.2011	PF	Disease Management	An. Sc.	Disease management	1	Off Campus	13	12	25	-	-	-	13	12	25
49	30.03.2011	PF	Disease management	An. Sc.	Disease management	1		11	5	16	2	8	10	13	13	26
50	21.1.2011	RY	Scientific management of Goat	An. Sc.	Production and management technology	1	Off Campus	19	-	19	-	-	-	19	-	19
51	16.2.2011	RY	Poultry farming	An. Sc.	Production and management technology	1	Off Campus	18	10	28	2	-	2	20	10	30
52	29.03.2011	RY	Poultry Farming	An. Sc.	Production and management technology	1	Off Campus	5	20	25	-	-	-	5	20	25
Home Sc																
53	13.7.2010	PF	Value addition of summer Fruits and Vegetables	Home Sc	Value addition	1	Off Campus	-	24	24	-	1	1	-	25	25
54	29.9.2010	PF	Designing and development of nutrient efficient diet	Home Sc	Nutrient efficient diet	1	Off Campus	-	25	25	-	3	3	-	28	28
55	28.10.2010	PF	Income generation activities through decorative soft toy making	Home Sc	Income generation activities	1	Off Campus	-	23	23	-	3	3	-	26	26

56	30.10.2010	PF	Income generation activities for empowerment of Rural Women through making of tie and Die Dupptta	Home Sc	Income generation activities	1	Off Campus	-	21	21	-	10	10	-	31	31
57	23.12.2010	PF	Processing of winter fruits and vegetables	Home Sc	Processing	1	Off Campus	-	24	24	-	2	2	-	26	26
58	31.12.2010	PF	Income generation activities for empowerment of Rural Women through decorative bag making	Home Sc	Income generation activities	1	Off Campus	-	11	11	-	14	14	-	25	25
Plant Protection:																
59	19.8.2010	PF	IPM in Rice	PP	IPM	1	Off Campus	1	-	1	24	-	24	25	-	25
60	18.9.2010	PF	IPM in Rice	PP	IPM	1	Off Campus	-	-	-	25	-	25	25	-	25
61	29.9.2010	PF	Bio Control of Pest and Diseases of Rice and Jute	PP	Bio Control	1	Off Campus	5	-	5	9	-	9	14	-	14
62	2.2.2011	PF	IPM in Rice	PP	IPM	1	Off Campus	4	-	4	24	-	24	28	-	28
63	22.2.2011	PF	IPM in Rice	PP	IPM	1	Off Campus	20	-	20	5	-	25	25	-	25
64	10.3.2011	PF	Cultivation of Oyster Mushroom	PP	Mushroom production	1	Off Campus	26	-	26	-	-	-	-	-	26
65	27.8.2010	EF	IPM in rice	PP	IPM	1	On Campus	8	-	8	2	-	2	10	-	10
66	16.9.2010	EF	IPM in rice	PP	IPM	1	On campus	11	-	11	1	-	1	12	-	12
Agronomy:																
67	02.07.10	PF	Nutrient Management	Agrono my	Nutrient Management	1	On campus	29	-	29	-	-	-	29	-	29
68	07.07.10	PF	Production of	Agrono	Organic inputs	1	Off	11	-	11	14	-	14	25	-	25

			organic inputs	my			Campus									
69	07.08.10	PF	Production of vermicompost	Agrono my	vermicompost	1	On campus	21	-	21	4	-	4	25	-	25
70	23.08.10	PF	IFS	Agrono my	IFS	1		5	-	5	19	-	19	14	-	14
71	20.09.10	PF	Weed Management	Agrono my	Weed Management	1	On campus	22	3	25	-	-	-	22	3	25
72	13.10.10	PF	Resource conservation techniques	Agrono my	Resource conservation	1	Off Campus	21	2	23	7	-	7	28	2	30
73	21.10.10	PF	Crop diversification	Agrono my	Crop diversification	1	On campus	20	-	20	5	-	5	25	-	25
74	23.10.10	PF	Post harvest techniques of major field crops	Agrono my	Post harvest techniques	1	Off Campus	13	-	13	19	-	19	32	-	32
75	20.12.10	PF	Improved production technology of oilseeds	Agrono my	production technology of oilseeds	1	Off Campus	32	-	32	-	-	-	32	-	32
76	21.12.10	PF	Improved production technology of rice, SRI-method	Agrono my	production technology of rice, SRI-method	1	Off Campus	5	-	5	23	4	27	28	4	32
77	10.02.11	PF	Improved production technology of fibre crops	Agrono my	production technology of fibre crops	1	Off Campus	23	-	23	2	-	2	25	-	25
78	11.02.11	PF	Improved production technology of oilseeds	Agrono my	production technology of oilseeds	1	Off Campus	25	-	25	-	-	-	25	-	25
79	14.02.11	PF	Improved production technology of rice, SRI-method	Agrono my	production technology of rice, SRI-method	1	Off Campus	24	-	24	1	-	1	25	-	25
80	15.02.11	PF	Seed production techniques of major	Agrono my	Seed production	1	Off Campus	19	-	19	6	-	6	25	-	25

			field crops													
81	21.02.11	PF	Production of organic inputs	Agronomy	organic inputs	1	Off Campus	18	3	21	4	-	4	22	3	25
82	24.02.11	PF	Improved production technology of pulses	Agronomy	production technology of pulses	1	Off Campus	23	2	25	-	-	-	23	2	25
83	19.10.10	RY	Seed production techniques of major field crops	Agronomy	Seed production	1	Off Campus	5	1	5	13	5	18	18	6	24
84	25.10.10	RY	IFS	Agronomy	IFS	1	Off Campus	24	-	24	-	-	-	24	-	24
85	27.10.10	RY	Vermi -compost production	Agronomy	Vermi - compost production	1	Off Campus	25	-	25	-	-	-	25	-	25
86	29.10.10	RY	Production of organic inputs	Agronomy	organic inputs	1	Off Campus	25	-	25	-	-	-	25	-	25
87	14.07.10	EF	Productivity enhancement in field crops	Agronomy	Productivity enhancement	1	On campus	3	-	3	21	-	21	24	-	24
88	16.07.10	EF	INM	Agronomy	INM	1	On campus	1	-	1	21	-	21	22	-	22

(D) Vocational training programmes for Rural Youth: NA

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	06.05.10	Composite farming	Fishery	Fish pro-duction	1	PF	1	31	0	31	2	0	2	33	0	33	SIRD	NA
2	07.05.10	Fishery management	Fishery	-do-	1	PF	1	24	102	126	0	0	0	24	102	126	SIRD	-do-
3	19.10.10	Water management in rice-fish farming	Fishery	-do-	1	PF	1	37	3	40	6	3	9	43	06	49	AAU	-do-
4.	21.01.11	Prospects of fish farming	Fishery	-do-	1	College student	1	10	8	18	0	0	0	10	8	18	Kaliabor college	-do-
5.	9.7.2010	Training of Farmers under Technology Showcasing	Extn	Cereal Production	1	PF	1	5	-	5	6	-	6	11	0	11	IFFCO	-do-
6	25-31 Oct, 2010	Water Management in rice and Rabi crops	Agriculture	Water Management	5	PF	1	12	6	18	18	13	31	30	19	49	AICRP on Water Mangement, AAU.	-do-

7	18-20 Nov, 2010	State level training on Jute and allied Fibre	Agronomy	Jute production	2	PF	1	-	5	5	15	35	50	15	40	55	Directorate of Jute Development, W.B	-do-
8	15.12.2010	Processing of Horticultural Produce	Horticulture	Processing	1	PF	1	9	6	15	23	12	35	33	18	51	IICPT, Guwahati	-do-
9	17.12.2010	Social Mobilization through income generation activities	Extension	Income generation	1	PF	1	6	6	12	7	4	11	13	10	23	SIRD	-do-
10	21.1.2011	Prospects of Fish farming	Fishery	Fishery prospect	1	PF	1	9	2	11	10	1	11	19	3	22	SIRD	-do-
11	25.1.2011	Awareness Programme on SRI method	Agronomy	Improved Cultivation practices	1	PF	1	6	4	10	10	4	14	16	8	24		-do-
12	2.11.2010	Detail Agronomic practices of Wheat cultivation	Agronomy	Improved Cultivation practices	1	PF	1	18	0	18	-	-	-	18	-	18		-do-
13	26.10.2010	Scientific Management of Cattle	Animal Sc.	Dairy Production	1	PF	1	1	0	1	11	9	20	12	9	21	SIRD	-do-

14	17.02.2011	Scientific Management of Goat	Animal Sc	Goatery Production	1	PF	1	-	22	22	5	-	5	22	5	27	SIRD	-do-
15	20.2..2011	Scientific Management of Goat	Animal Sc	Goatery Production	1	PF	1	2	14	16	8	-	14	10	14	24	SIRD	-do-
16	11.03.2011	Scientific Management of Pig	Animal Sc	Goatery Production	1	PF	1	-	35	35	-	-	-	-	35	35	SIRD	-do-
17	28.10.2010	IDM in field crops	Plant protection	IDM	1	PF	1	35	15	50	12	5	17	47	20	67	SWPA	-do-
18	29.10.2010	IDM in field crops	Plant protection	IDM	1	PF	1	35	15	50	12	5	17	47	20	67	SWPA	-do-
19	4.11.2010	Production technology of wheat	Plant protection	Production technology	1	PF	1	30	10	40	5	5	10	35	15	50	DOA, Nagaon	-do-
20	9.11.2010	IDM in rice	Plant protection	IDM	1	PF	1	6	0	6	-	-	-	6	0	6	IFFCO	-do-
21	31.10.2010	Nursery management for increasing water productivity	Hort	Nursery management	1	PF	1	35	15	50	12	5	17	47	20	67	SWPA	-do-
22	2.11.2010	Fertilizer management in horticultural crops	Hort	Fertilizer management	1	PF	1	6	0	6	-	-	-	6	0	6	IFFCO	-do-
23	8.12.2010	Kitchen garden	Hort	Kitchen garden	1	PF	1	35	15	50	5	5	10	40	20	60	Nagaon College	-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	Field day on Sali rice under technology showcasing	1	30	21	51	56	28	84	2	1	3	88	50	138
2.	Field Day	Field day on Toria	1	28	12	40	16	9	25	1	-	1	45	21	66
Total			**2**	**58**	**33**	**91**	**72**	**37**	**109**	**3**	**1**	**4**	**133**	**71**	**204**
3.	Kisan Mela	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.	Kisan Ghosthi		-	-	-	-	-	-	-	-	-	-	-	-	-
5.	Exhibition		-	-	-	-	-	-	-	-	-	-	-	-	-
6.	Film Show		4	45	16	61	20	9	29	-	-	-	65	25	90
7.	Method Demonstrations		25	70	35	105	15	35	50	2	1	3	87	71	158
8.	Farmers Scientist Interaction		2	51	18	69	22	13	35	2	-	2	74	31	105
9.	Workshop		-	-	-	-	-	-	-	-	-	-	-	-	-
10.	Group meetings		10							-	-	-			175
11.	Lectures delivered as resource persons		23	490	65	555	250	71	321	-	-	-	740	136	876
12.	Newspaper coverage		20	-	-	-	-	-	-	-	-	-	-	-	20
13.	Radio talks		5	-	-	-	-	-	-	-	-	-	-	-	5
14.	TV talks		-	-	-	-	-	-	-	-	-	-	-	-	-
15.	Popular articles		33	-	-	-	-	-	-	-	-	-	-	-	33

16.	Extension Literature		16	-	-	-	-	-	-	-	-	-	-	-	16
17.	Advisory Services		145	-	-	-	-	-	-	-	-	-	-	-	145
18.	Scientific visit to farmers field		140	-	-	-	-	-	-	-	-	-	-	-	140
19.	Farmers visit to KVK		235	-	-	-	-	-	-	-	-	-	-	-	235
20.	Diagnostic visits		81	-	-	-	-	-	-	-	-	-	-	-	81
21.	Exposure visits		1	3	-	3	7	-	7	-	-	-	10	-	10
22.	Ex-trainees Sammelan		-	-	-	-	-	-	-	-	-	-	-	-	-
23.	Soil health Camp		-	-	-	-	-	-	-	-	-	-	-	-	-
24.	Animal Health Camp		-	-	-	-	-	-	-	-	-	-	-	-	-
25.	Agri. mobile clinic		-	-	-	-	-	-	-	-	-	-	-	-	-
26.	Soil test campaigns		-	-	-	-	-	-	-	-	-	-	-	-	-
27.	Farm Science Club Conveners meet	1	1	4	-	4	7	-	7	-	-	-	11	-	11
28.	Self Help Group Conveners meetings		2	-	35	35	-	15	15	-	-	-	-	50	50
29.	Mahila Mandals Conveners meetings		-	-	-	-	-	-	-	-	-	-	-	-	-
30.	Celebration of important days (specify)		1	38	16	54	35	21	56	-	-	-	73	37	110
31.	PRA Exercise		1	21	7	28	12	5	17	-	-	-	33	12	45
	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**	**100q**	**260000.00**	Not yet sold
OILSEEDS	Toria	TS-38	7 q	31500.00	Not yet sold
	Toria	TS-46	20 q	90000.00	Not yet sold
PULSES	Blackgram	KU-301	3.75 q	31875.00	Not yet sold
VEGETABLES	Brocolli	KTS-1	60 kg	900.00	Sold
	Onion	N-53	7 kg	70.00	Sold
	Capsicum	California wonder	5 kg	100.00	Sold
FLOWER CROPS					
OTHERS (Specify)					
	Dhaincha	S. aculata	5.5 q	19250.00	**Not yet sold**
	Mushroom	Oyster Mushroom	2.2 kg	165.00	Sold
	Apiary	Aphis malita	0.5 kg	100.00	Sold
	Paddystraw	Ranjit	LS	1800.00	Sold
	Simalu Cotton	-	LS	14051.00	Sold

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	100q	260000.00	**Not yet sold**
2	OILSEEDS	27	121500.00	
3	PULSES	3.75 q	31875.00	
4	VEGETABLES	72	1070.00	
5	FLOWER CROPS			
6	OTHERS			
TOTAL			39676.00	

PLANTING MATERIALS

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

SUMMARY

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

BIO PRODUCTS

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

SUMMARY

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

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
Cattle						
SHEEP AND GOAT						
POULTRY	Chicken (Excess male)	Vanaraja	91	147.625	17715.00	34
FISHERIES						
Others (Specify)						

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY	**Vanaraja**	**91**	**147.625**	**17715.00**	**34**
4	FISHERIES					
5	OTHERS					
	TOTAL					

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.): In press(500 copies)

(B) Literature developed/published :

PUBLICATION OF BULLETINS

Sl. No.	Year of publication	Name of the scientist	Title of bulletin/leaflet	Medium of publication (Assamese/Bengali/English)
1	2010	Deka, Anjumala; Deka C.K; Dutta,b & Dutta, J.	Improved cultivation practices of Toria	Assamese
2	2010	Deka, Anjumala; Deka C.K & Saikia, T.P.	Improved cultivation practices of Boro rice.	Assamese
3	2010	Deka, Anjumala; Deka,C.K & Saikia,T.P	Irrigation Management in Boro rice.	Assamese
4	2010	Deka, Anjumala; Deka,C.K & Saikia,T.P.	Integrated Disease Management practices in rice.	Assamese
5	2010	Deka, Anjumala; Dutta,B & Saikia,T.P.	Cultivation of Fodder crops by improved method.	Assamese
6	2010	Dutta,B; Deka, Anjumala;Saikia,T.P	Methods of Green Fodder conservation	Assamese Assamese
7	2010	Deka, Anjumala; Saikia,T.P; Dutta,B	Fertilizer management in field crops-its rate& method of application	Assamese
8	2010	Deka, Ajumala; Saikia,T.P; Dutta,B. Sibani Das	Cultivation of Black gram & Green gram by improved method	Assamese
9	2010	Dutta,B; Deka, Anjumala;Saikia,T.P	Pig production by scientific method	Assamese
10.	2011	Deka, Anjumala; Saikia,T.P; Dutta,B	Fertilizer application in cereals.	Assamese
11	2010	C.K.Deka, T.P.saikia, U.K.Deka, P.Nath, S. Das	Scientific cultivation of Lime	Assamese
12	2010	P.Nath, C.K.Deka, T.P.saikia, U.K.Deka, S. Das	Essential food for Human health	Assamese
13	2010	U.K.Deka P.Nath, C.K.Deka, T.P.saikia, , S. Das	Fungal diseases and its control	Assamese
14	2010	S. Das, U.K.Deka P.Nath, C.K.Deka, T.P.saikia, ,	Kitchen garden	Assamese

20. PUBLICATION OF POPULAR ARTICLE/ ABSTRACTS:

Sl.No	Title	Name of the Scientist	Published at and Year
Popular Articles:			
1	Role of Biological control in IPM(in Assamese)	Deka ,U.K..Deka,C.K, Dutta ,J	Kolongpar, 21.4.10
2	Disease of Betelvine and its control(in Assamese)	Deka, U.K	Kolongpar, 7.4.10
3	Role of Mineral in Livestock Production(in Assamese)	Duta, B.	.Kolongpar,28.4.10
4	Prepartion of Vermicompost and its application(in Assamese)	Deka ,U.K..Deka,C.K, Dutta ,J.	Kolongpar,28.4.10
5	Stress Management(in English)	Deka, U.K. ;Deka,C.K	The Sentinel,17.5.10
6	Protection of Crops from Termite(in Assamese)	Deka, U.K., Deka,C.K.,.Baruah, B	Amar Nagaon,19.5.10
7	Planting method of Cucurbits and and its protection measures(in Assamese)	U.K.Deka, C.K.Deka, J.Dutta	Kolongpar,26.5.10
8	Scientific cultivation of Ginger (in Assamese)	U.K.Deka, C.K.Deka, J.Dutta	Kolongpar,9.6.10
9	Off season cultivation of crops in Polyhouse (in Assamese)	C.K.Deka, U.K.Deka,	Payaobhara, June, 2010
10	Precaution in application of Chemicals(in Assamese)	U.K.Deka, C.K.Deka, J.Dutta	Kolongpar,23.6.10
11	Kitchen garden(in Assamese)	C.K.Deka, J.Dutta U.K.Deka	Kolongpar,21.7.10
12	Burselosis: A Silent Killer of Animals(in Assamese)	B.Dutta	Kolongpar4.8.10
13	Reproduction of Pig (in Assamese).	B.Dutta	Kolongpar13.8.10
14	Integrated Pest managemnt in Rice (in Assamese)	A.M.Deka	Kolongpar2.6.2010
15	Preparation of Nursery bed of Sali rice and its care(in Assamese)	A.M.Deka	Kolongpar2.6.10
16	Major disesaes of rice and its control (in Assamese)	A.M.Deka	Asomiya Khabar15.6.10
17	Cultivationn of Sunflower: A way for Income(in Assamese)	A.M.Deka	Asomiya Pratidin4.8.10
18	Cultivation of Arahar: A Profitable Crop Enterprise(in Assamese)	A.M.Deka	Asomiya Pratidin18.8.10

19	Dietary management in tuberculosis(in English)	Mrs. P. Nath	Menace, The Sentinel1.8.10
20	Role of Agribased industries in rural Development(in Assamese)	C.K.Deka, U.K.Deka	Payobhara August, 2010
21	Methods of Organic farming (in Assamese)	J.Dutta	Payobhara August, 2010
22	Have you AntarToximita vaccinated your gtoat (in Assamese)	B.Dutta	Kolongpar27.8.10
23	Rice Pest and Diseases: Its Symptoms and its control.	C.K.Deka, J.Dutta U.K.Deka	Kolongpar1.9.10
24	How to protect your Sugarcane crops(in Assamese)	C.K.Deka, J.Dutta U.K.Deka	Kolongpar22.9.10
25	Biological control of pest and diseases of crops (in Assamese)	C.K.Deka, J.Dutta U.K.Deka	Kolongpar6.10.10
26	Care of Pregnant goat and its Kids(in Assamese)	B.Dutta	Kolongpar3.12.10
27	Foot anf Mouth Diseases: Its control measures and precausations(in Assamese)	B.Dutta	Kolongpar19.1.11
28	Cultivation of Fish with Boro rice(in Assamese)	D. Nath	Sovenir, Maitsya Mahotsava, Ghy. 27.1.2011
29	Importance of Banana in Agril. economy(in Assamese)	C.K.Deka, J.Dutta U.K.Deka	Payobhara Feb, 2011
30	Cultivation of Atrecanut(in Assamese)	A.M.Deka	Kolongpar2.3.11
31	Cultivation practices of cowpea (in Assamese)	Mrs. S.Das	Kolongpar16.3.11
32	Preparation for Ginger Cultivation(in Assamese)	Mrs. S.Das	Kolongpar23.3.11
Abstracts			
1	Cultivation of wheat using zero tillage Seed drill.	C.K.Deka, A.M. Deka, S.Das,P.Nath	Book of Abstracts of "National Seminar on conservation & utilization of resources in North East India" Jan, 11
2	Rice varieties under organic farming situation in Nagaon district of Assam	C.K .Deka, A.M.Deka ; U.Kalita, J.Dutta, B.Dutta	Book of Abstracts of "National Seminar on conservation & utilization of resources in North East India" January, 2011
3	Water management in Betelvine though pitcher drip irrigation	S. Das, C.K. Deka, U.K Deka; A.M. Deka, M.Saha,N Kalita,	Book of Abstracts of "National Seminar on conservation & utilization of resources in North East India" January, 2011

4	Conservation of indigenous edible mushrooms of North-East India	U.K Deka, R Gogoi, C.K Deka, P Nath, A .Deka, J Dutta	Book of Abstracts of "National Seminar on conservation & utilization of resources in North East India" January, 2011
5	Smokeless Chullah- An environment friendly drudgery reducing technology for Rural women	C.K Deka, U.K Deka, J Dutta,	Book of Abstracts of "National Seminar on conservation & utilization of resources in North East India" January, 2011
6	Prospect and potential of undreutilised fruits and vegetables cropsin Nagaon district of Assam	S.Das, T.P. Saikia, and M.Saha	Abstracts of Research paper on Developing the potential of underutilized horticultural crops of Hill region

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)

6. SUCCESS STORY WITH ECONOMIC DETAILS (Achievement, photo, paper cutting)

Success Story 1:

Sri Chnadra Kanta Baruah, is a resident of village Huz Kahuatoli under Khagarijan Development Block. Mr Boruah, a 41 yr old farmer of this locality has established himself in the society as a successful farmer and became the source of inspiration for the educated unemployed youth of that locality. Although his financial status was not good at the time of his Education, he managed to pass BA due to his hard work and side by side he had to involve in cultivation along with his father. After passing BA in the year 1990, he tried for Government Job for many years but could not manage to get. Thus he spent a miserable life in that period. So without spending much time, he decided to

cultivate in his land. Previously, he used to cultivate rice, black gram and vegetables on subsistence basis and could not get much income. He has 45 bighas of own land and he thought that if he cultivates this land with scientific way, he would be able to get a good income. Though he was involved in cultivation from 1980, in the year 2003, he had a contact with the scientists of KVK, Nagaon and since then he attended many training programmes of KVK and also used to take time o time suggestion from the Kendra.

After getting the inspiration and help from KVK, Nagaon, Now he is cultivating Rice (Sali , Bao, Boro, Hybrid rice), Green gram, Black gram, Pea, Lathyrus, Mustard and Seasmum , Jute , Turmeric etc on commercial basis.

The detail of crop cultivation in a year is given below.

Crop	Area Cultivated(Bigha)	Production (mon/ bigha)	Total production (Mon)	Selling Qty	Rate	Total Income
Sali Rice(Ranjit)	15 bigha	20 .0	300	200	400.00	80000.00
Boro Rice	5 bigha	17.0	85	50	400.00	20000.00
Bao Rice	3 bigha	8.0	24	15	360.00	5400.00
Hybrid Rice	1 bigha	35.0	35	20	400.00	8000.00
Toria	12 bigha	4.5 -5.0	55	40	1000.00	40000.00
Sesamum	5 bigha	3.0	15	12	1600.00	19200.00
Greengram	4 bigha	2.5	10	8	2000.00	16000.00
Blackgram	4 bigha	3.0	12	9	1800.00	16200.00
Pea	1 bigha	4.0	4.0	3	800.00	2400.00
Lathyrus	1 bigha	1.5-2.0	1.5	-	-	-
Jute	7 bigha	10.0-12 .0	77	75	400.00	30000.00
Turmeric	1 Bigha	25	25	25	800.00	20000.00
TOTAL						**257200.00**

From all these crop cultivation he earns an amount of Rs. 2.5 lakhs annually. Now Mr Boruah is a highly motivated farmer and ready to adopt any new improved technology. From this source of income. Mr Boruah is living happily along with his wife and one girl children of 3 years.

Success Story 2:

Khagarijan Development Block is one of the agriculturally advanced block of Nagaon District. Md. Mujibur Rahman (38 years) the resident of village Bengannati of this block was a poor young man. Though his family condition was not good, he managed to pass B.A but to his perseverance and hard work. He took some private tution in others home and thereby managed his school and college fees. He could not take care of his family due to low income. After passing B.A, he searched for Government job for few years but could not manage and got depressed. In the year, 2009 he attended one training programme on Bee Keeping organised by KVK, Nagaon. After attending the training programme, he got inspiration and thought that the bee keeping may bring handfool income to his him if he concentrates on that area. Then, he used to take technical suggestion and advice from the Kendra and started bee keeping in the last part of the year. The details of bee Keeping is given below

Details of bee Keeping Enterprises:

No. of Unit	**:** 15
Production /Unit/Yr	**:** 20 kg Honey
Rate/kg	**:** Rs 400.00**.**
Income/ Yr	: 100000.00
Sale of Honeybee colony (Rate: Rs. 500/colony).	: 20
Sale of Honeybee Box (Rate: Rs. 1000.00/ box)	: 10 Nos

So, from this enterprise he is earning more than one lakhs per annum and running his family well. Now, he is the source of inspiration for the youth of that locality .

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.	1. Uniform ripening

3.10 Indicate the specific training need analysis tools/methodology followed for Identification of courses for 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: 55
iii. No. of survey/PRA conducted: 1

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Operating

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	14062.00
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	67	27	16	-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Petiole Samples	-	--	-	-
Total	67	27	16	-

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	90	40600.00	75476.00
Sali rice: Hybrid var. PA-6444	200	40	9995.00	25574.00
Seed priming in wheat	200	60	86040.00	14695.00
Green gram variety : Pratap	300	65	10275.00	26883.00
Toria variety : TS-38	500	70	6350.00	13400.00
Irrigation management in Toria	250	65	3340.00	8725.00
Irrigation management in Boro rice by recommended practices	400	50	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.Kalangpar Mahila Unnayan Sangha (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)	Collaborative training programme for SHGs and Farmers club

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	November, 2009	Ministry of water Resource, New Delhi	81,800.00
AACP	2008-2011	World Bank through Govt. Of Assam	43,000.00

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): Going on

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

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

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	17.6.2010	6.12.2010	2.4	Ranjit	Foundation seed	100 q	816000.00	250000.00	Cleaning, bagging going on
Greengram									
Black gram	8.83.2010	23.10.2010	0.87	KU-301	Foundation seed	3.75q	16000.00	31875.00	
Sesamum									
Toria-(TS-38)	15.10.2010	8.2.2011	1.29	TS-38	Foundation seed	7q	11504.00	31500.00	Seed Cleaning going on

Toria-(TS-38)	10.11.2010	18.2.2011	3.71	TS-46	Foundation seed	20q	32648.00	90000.00	Seed Cleaning going on
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits (Malbhog Banana)	Planted previous year		0.11	Malbhog	Fruit	85 bunch	2758.00	4310.00	
Vegetables									
Others (specify)									
Sunhemp									
Dhaincha	7.6.2010	10.10.2010	0.53	*S. aculata*	Truthfully lebelled	5.5q	6500.00	19250.00	

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. No	Name of the animal / bird / aquatics	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): Hostel yet to be constructed

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	01000050614

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2011
	Kharif 2010-11	Rabi 2010 –11	Kharif 2010-11	Rabi 2010-11	
Inputs	19000.00	19000.00	7893.00	10638.00	
Extension activities			5800.00	-	
TA/DA/POL etc.			500.00	2400.00	
TOTAL	19000.00	19000.00	14193.00	13038.00	10769.00

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2011
	Kharif 2010-11	Rabi 2010 -11	Kharif 2010-11	Rabi 2010-11	
Inputs	19000.00	19000.00	17434.00	5022.00	
Extension activities				3000.00	
TA/DA/POL etc.				-	
TOTAL	19000.00	19000.00	17434.00	8022.00	12544.00

7.5 Utilization of KVK funds during the year 2009-10 (year-wise separately) (current year and previous year):

S. No.	Particulars	Sanctioned (In lakhs)	Released	Expenditure	Remarks
A. Recurring Contingencies					
1	**Pay & Allowances**	40.00	3453041.00	3453041.00	
2	**Traveling allowances**	1.00	57157.00	57157.00	
3					
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.20	119104.00	119104.00	
B	POL, repair of vehicles, tractor and equipments				
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	4.80	106255.00	106255.00	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)				
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)		80002.00	80002.00	
F	On farm testing (on need based, location		42631.00	42631.00	

	specific and newly generated information in the major production systems of the area)				
G	Training of extension functionaries				
H	Maintenance of buildings				
I	Establishment of Soil, Plant & Water Testing Laboratory				
J	Library				
TOTAL (A)		**47.00**	**3858190.00**	**3858190.00**	
B. Non-Recurring Contingencies					
1	Works				Non recurring expenditure incurred by DEE, AAU, Jorhat.
2	Equipments including SWTL & Furniture	5.45			
3	Vehicle (Four wheeler/Two wheeler, please specify)				
4	Library (Purchase of assets like books & journals)	0.10			
TOTAL (B)		**5.55**			
C. REVOLVING FUND -					
GRAND TOTAL (A+B+C)		**52.55**	**3858190.00**	**3858190.00**	

Utilization of KVK funds during the year 2010 -11 (upto March, 2011)

S. No.	Particulars	Sanctioned (in lakhs)	Released	Expenditure	Remarks
A. Recurring Contingencies					
1	**Pay & Allowances**	42.00	4202383.00	4202383.00	Excluding Amount of revised UGC & non teaching
2	**Traveling allowances**	1.50	101203.00	101203.00	
3					
A	Stationery, telephone, postage and other expenditure on office running, publication of	1.60	188492.00	188492.00	

	Newsletter and library maintenance (Purchase of News Paper & Magazines)				
B	POL, repair of vehicles, tractor and equipments				
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	6.40	133600.00	133600.00	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)				
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			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**	**4659797.00**	**4659797.00**	
B. Non-Recurring Contingencies					
1	Works	29.00	-	-	Non recurring expenditure for works incurred by DEE, AAU, Jorhat-134
2	Equipments including SWTL & Furniture				
3	Vehicle (Four wheeler/Two wheeler, please specify)				
4	Library (Purchase of assets like books & journals)	0.10	10000.00	9941.00	
TOTAL (B)		29.10	10000.00	9941.00	
C. REVOLVING FUND					
GRAND TOTAL (A+B+C)		**80.60**	**4669738.00**	**4669738.00**	

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 2008 to March 2009	100000.00		11975.00	88025.00
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

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

8.1 Constraints:

(a) Administrative:
1. No permanent labour to look after the day to day activities of the farm components.

(b) Financial:
1. Remuneration for resource person invited from outside is not sufficient

(c) Technical:
1. Covering the whole district with single vehicle

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 (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	Rainfed arhar, sugarcane, soybean, tea garden and forest

	land	
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.

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