

ANNUAL REPORT OF KVK, DHEMAJI, 2012-13

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, Dhemaji Assam Agricultural University P.O. - Silapathar District. - Dhemaji Assam, PIN-787 059	NA	NA	pcdhemaji@gmail.com kvkaau_dhemaji@rediffmail.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 PIN-785 013	0376- 2340001, 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. Rijusmita Sarma Deka	-	+91-7896028773	drrijusarmadeka@gmail.com

1.4. Year of sanction:

1.5. Staff Position (As on 31st March, 2013)

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. Rijusmita Sarma Deka	Programme Coordinator	Animal Sc.	15600-39100/-	23600/	16.03.13		GEN
2	Subject Matter Specialist	Mr. Horindra Gogoi	Subject Matter Specialist	Agril. Econ	15600-39100/-	22920/	06.11.08		OBC
3	Subject Matter Specialist	Mr. Gunjan Gogoi	Subject Matter Specialist	Plant Pathology	15600-39100/-	24320/	07.11.08		OBC
4	Subject Matter Specialist	Mrs. Yater Das	Subject Matter Specialist	PBG	15600-39100/-	24320/	11.11.08		SC
5	Subject Matter Specialist	Dr. Ashim Kumar Saikia	Subject Matter Specialist	Animal Sc.	15600-39100/-	22250/	03.08.11		OBC
6	Subject Matter Specialist	Vacant							
7	Subject Matter Specialist	Vacant							
8	Programme Assistant	Mr. Swapan Kumar Sarma	Programme Assistant	Nematology	8000/-35000/	13290/	06.09.11		GEN

9	Computer Programmer	Mr. Pranabesh Barman	Computer Programmer		8000-35000/-	16790/	14.11.08		SC
10	Farm Manager	Mr. Satya Nath Deka	Farm Manager	Plant Pathology	8000/-35000/	16300/	12.01.09		OBC
11	Accountant / Superintendent	Mr. Pradip Deori	Accountant cum Superintendent	Accountancy	8000/-35000/	12900/	27.02.12		ST
12	Stenographer	Vacant		-					
13	Driver	Mr. Durgadhar Deori	Driver cum Mechanic	-	5200/-20200/	7400/	21.02.12		ST
14	Driver	Mr. Raju Konch	Driver cum Mechanic	-	5200/-20200/	7400/	21.02.12		OBC
15	Supporting staff	Mr. Samel Barla	Grade -iv	-	5200/-20200/	9470/			ST
16	Supporting staff	Vacant							

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	9.0
2.	Under Demonstration Units	1.5
3.	Under Crops	7.0
4.	Orchard/Agro-forestry	8.0
5.	Others (specify)	1.5

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	April, 2009	547	Roof level
2.	Farmers Hostel	ICAR	-	-	-	-do-	305	Post plate level
3.	Staff Quarters (6)	ICAR	-	-	-	-Do-		
A	Programme Coordinator		February, 2013	110	-	-	110	Completed
B	SMS(2 Nos.)		-do-	75x 2	-	-	75x 2	Completed
C	Prog. Asstt.(twin)		-do-	50 x 2	-	-	50 x 2	Completed
D	Grade IV		-do-	38	-	-	38	Incomplete
4.	Demonstration Units (2)		-	-	-	-	-	-
5	Fencing		-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Max	2010	505176.00 (including VAT)	40917	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer and accessories	2008	54,626.00	Good
Desktop Computer HP DX 2280- 1 No.			
Monitor CRT 17" HP - 1 no.			
Laser Printer HP LJ 1505N			
Scanner HP SG 2410			
Chair Model No. CH-7B – 4 nos.	2008	44,053.00	Good
Chair Model PCH 700 ID- 1 No.			Good
Reck – 1 NO.			Good
Storewel Model-2 1 No.			Good
Table Model T9--- 1 No.			Good
UPS Uniline 1 KVA 800 VAH	2008	10,620.00	Good
PlasticTable (2 nos.)- Model Neelkamal	2009	4000.00	Good
Plastic chair Neelkamal without arm-Model 4002--- 10 nos	2009		Good
Plastic chair Neelkamal with arm--- 10 nos	2009	2700.00	Good
Uniline 800 VA FB LI UPS (2 nos.)	2010	11,929.00	Good
Desktop computer Make and Model HP-DX-2000 series (2 nos.)		55,094.00	Good
LCD Monitor 15" HP (2 nos.)	2010	-	Good
Laser printer HP LJ P 1007 – 1 no.	2010	5,475.00	Good
Scanner HP G2410-1 no.	2010	2724.00	Good
Digital Camera- Sony (DSC-WX1)	2010	19,000.00	Good
Fax Machine Make Brother Model-2820	2010	15,190.00	Not installed
LCD Projector Make Sony	2010	98,331.00	Good
Photo copier along with 2 KVA Voltage Stabilizer	2010	1,01,920.00	Good
Full secretariat table- 6 nos.	2010		Good

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

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	25.03.13	1. Dr. H.C. Bhattacharyya , Director of Extension Education, AAU, Jorhat 2. Dr. K.K. Sharma, Chief Scientist, RARS, North Lakhimpur 3. Mr. M.S. Manivannan , Deputy Commissioner, Dhemaji 4. Mr. M.N. Phukan, District Agriculture Officer, Dhemaji 5. Dr. Pranab Kr. Dowara, Representative of District Veterinary Officer, Dhemaji 6. Mr. Rameswar Borah, District Fishery Development Officer, Dhemaji 7. Dr. Rijusmita Sarma Deka, Programme Coordinator, KVK, Dhemaji 8. Mr. Bidya Sagar Kutum, Representative of Asstt. Director, Sericulture, Lakhimpur 9. Mr. Alex Doley, Representative of District Social Welfare Officer, Dhemaji 10. Mrs. Chayanika Deori,	1. In case of OFT on flash flood situation rice cultivation along with Jalashree and Jalkuwari, variety Swarna sub-1 is to be included. 2. Green gram variety Protap to be tested along with SG-21-S. 3. Toria variety TS-67 is to be tested along with JT-90-1 4. Rice variety Haccha is to be tested as a direct seeded ahu followed by Disang variety as transplanted Sali in post flood situation. 5. One OFT on IPM module in Assam lemon including ITKs is to be included in Action plan 2013-14. 6. One OFT in Sugarcane variety is to be conducted in the district. 7. Four numbers of OFT should be included in Action plan, 2013-14 and one technology on composition of locally available feed materials for pig is to be included.	Proposals are being submitted .

	<p>Representative of Divisional Soil Conservation Officer, Dhemaji</p> <p>11. Mrs Archana Dutta, Progressive woman farmer</p> <p>12. Mrs. Priyanka Kachari Progressive woman farmer,</p> <p>13. Sri Prasanta Gogoi, Progressive farmer</p> <p>14. Sri Sukulal Mili Progressive farmer,</p> <p>15. Mr. Gunjan Gogoi, SMS, KVK, Dhemaji</p> <p>16. Mrs. Yater Das, SMS, KVK, Dhemaji</p> <p>17. Dr. Ashim Kumar Saikia, SMS, KVK, Dhemaji</p> <p>18. Mr. Satya Nath Deka, Farm Manager</p> <p>19. Mr. Swapan Kumar Sarma, Programme Assistant (Agri)</p> <p>20. Mr. Pradip Deori (Office Superintendent cum Accountant)</p>	<p>8. OFT on flower crop Gladiolus and Gerbera is to be conducted when SMS, Horticulture will be appointed.</p> <p>9. OFT on betel vine to control collar rot and other disease using <i>Trichoderma</i> as a bio-agent is recommended by the house.</p> <p>10. In fishery sector-technology on to increase water retention in farm pond like poly lining is to be tested for the district.</p> <p>11. Regarding FLD on HQPM maize, HYV maize variety should be included and the variety may be collected from RARS, Gossaigaon.</p> <p>12. For marginal soil rice variety TTB-404-Buck wheat sequence is to be demonstrated.</p> <p>13. For demonstration of Black gram and Sesamum instead of T-9 and AST-1, variety should be taken up after discussion with the Chief Scientist, RARS, Shillongoni.</p> <p>14. In case of FLD in Mushroom programme use of spent bed for vermicompost production is to be carried out with the discipline of soil science.</p> <p>15. In case of FLD on feeding management site to be selected in that area where already Dairy programme is going on.</p> <p>16. FLD in animal science, two more programme should be included in Action plan, 2013-14.</p> <p>17. Under the discipline of Economics study on market chain in Assam lemon is to be conducted.</p>	
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*** Attach a copy of SAC proceedings along with list of participants**

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rice – Rice
2	Rice- Oilseed
3	Rice – Vegetables
4	Blackgram- Vegetable
5	Livestock- fish
6	Piggery
7	Sericulture
8	Fishery

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

S. No	Agro-climatic Zone	Characteristics
1	North Bank Plains Zone	The soil is developed on alluvium derived from the adjacent Himalayan range by the river Brahmaputra and its tributaries. The soils are mostly sandy loam having medium to high Nitrogen, low in Phosphorus and medium in Potassium content. The pH of the soil varies from 4.8 to 6.0. The topography of the soils is mostly medium land in the plain areas being chronically flood affected. Low land areas towards riverine tract are submerged or flooded due to high rainfall during rainy season. The foot hill region is characterized by undulating topography.

No	Agro ecological situation	Characteristics
1	Medium land	Generally flood free but occasionally submerged due to high rainfall. Soils are mostly acidic, clay loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.
2	Low and Flood affected	Flood plain submerged almost whole rainy season. Soils are mostly acidic, sandy loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.
3	Silt deposited area	Flood plain having silt deposition, occasionally submerged. Soils are mostly acidic, silty loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.
4	Sand deposited area	Flood plain having sand deposition, occasionally submerged. Soils are mostly acidic, sandy in texture with micro nutrient deficiency, medium in nitrogen, low in phosphorus and medium in potassium content. Mild iron toxicity persist.
5	Foothill	Undulating topography. Soils are acidic in nature, sandy in texture with micro nutrient deficiency, medium in nitrogen, low in phosphorus and medium in potassium content.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Clay	Heavy soil with high organic matter, high C:N ratio, high nitrogen content with medium in phosphorus and potassium content. High water holding and nutrient holding capacities.	27,346
2.	Clay loam	Light heavy soils with medium to high organic matter, high C:N ratio, medium to high nitrogen content with medium in phosphorus and potassium content. High water and nutrient holding capacities.	60,997
3.	Alluvial	Medium soils with medium in organic matter, low C: N ratio, medium in nitrogen, phosphorus and potassium content.	13,313
4.	Sandy loam	Light soil with low in organic matter, low in nitrogen, phosphorus and potassium content.	1,37,552
5.	Sandy	Light soil with low in organic matter, low in nitrogen, phosphorus and potassium content.	62,106

2.4. Area, Production and Productivity of major crops cultivated in the district (2012-13)

Sl. No	Crop	Area (ha)	Production (Qtl)	Productivity (kg /ha)
1.	Paddy (Sali, Boro and Ahu)	74269.6	1322000.0	1780
2.	Maize	446.4	2500.0	560
3.	Wheat	38.1	120.0	315
4.	Sugarcane	105.8	34500.0	32600
5.	Rapeseed	17946.4	100500.0	560
6.	Blackgram	356.9	2070.0	580
7.	Pea	1236.3	6800.0	550
8.	Potato	4435.9	346000.0	7800
9.	Vegetables	6251.1	722000.0	11550
10.	Ginger	557.4	3400.0	610
11.	Turmeric	529.4	3600.0	680
12.	Garlic	330.9	4220.0	1275
13.	Chillies	240.6	2250.0	935
14.	Other spices	919.3	7400.0	805
15.	Banana	1125.8	166400.0	14780
16.	Areca nut	2987.6	36150.0	1210
17.	Assam lemon	278.7	14500.0	5203
18.	Pineapple	223.1	30010.0	13450
19.	Coconut	162.0	8750.0	5400
20.	Other horticultural crops	991.8	108600.0	10950

Source: DAO, Dhemaji

2.5. Weather data (2012-13)

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
April	233.87			
May	429.12			
June	377.34			
July	827.92			
Aug	349.92			
Sept	605.13			
Oct	168.11			
Nov	12.44			
Dec	18.54			
Jan	8.41			
Feb	0.5			
March	118.82			

Source: DAO, Dhemaji

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (2012-13)

Category	Population (in '000)	Production	Productivity
Cattle			
<i>Crossbred</i>			
<i>Indigenous</i>	466323	87129 litres milk	
Buffalo	14821	63469 litres milk	
Sheep			

Crossbred	-	-	
Indigenous	-	-	
Goats	117568	119320 (live wt in kg)	
Pigs	114013	871296 (live wt in kg)	
Crossbred	-	-	
Indigenous	-	-	
Rabbits	-	-	
Poultry			
Hens	534103	295296 (eggs in '000 numbers)	
Desi	-	-	
Improved	-	-	
Ducks	-	-	
Turkey and others	-	-	

Category	Area	Production	Productivity
Fish	-	-	
Marine	-	-	
Inland	-	-	
Prawn	-	-	
Scampi	-	-	
Shrimp	-	-	

Source: DVO, Dhemaji

2.6 Details of Operational area / Villages (2012-13)

S. No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust areas
1.		Jonai	Taribari, Purana Jelum	Sali paddy	Low yield of local cultivars, non availability of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
				Lemon and Banana	Lack of knowledge on fertilizer application, plant protection, crop management	Crop health and soil management
				pig rearing	Low production, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Health & Feeding management
				Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
2.			Bagariguri, Telam	Sali paddy, ahu paddy	Lack of knowledge on scientific crop production, HYVs	Crop production
				Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
				Ginger, Turmeric	Lack of knowledge on fertilizer application, plant protection	Crop health management
				piggery	Non scientific management of pigs	Management of livestock
3.			Nahar sille	Sali rice	Lack awareness on high yielding varieties, fertilizer use and plant protection	Crop production, crop health & soil health management
				Kharif pulse	Low yield of local cultivars, Pest and disease incidence, lack of scientific nutrient management	Crop management
				Piggery & duckery	Non scientific management of livestock and use of low yield local breeds	Livestock production
4			Baligora	Sali paddy	Lack awareness on high yielding varieties, fertilizer use and plant protection	Crop production & management
				Goatery	Lack of knowledge scientific rearing, breed up gradation	Goatery management

5	Bashbari	Piggery	Lack of knowledge on scientific rearing of pig	Management of livestock
		Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
		Sali paddy, ahu paddy	Lack of knowledge on scientific crop production, high yielding variety	Crop production & management
		Pea, potato, mustard	Low production due to disease and pest infestation	Crop health management
6	Betbari	Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
7	Jonai	Mustard	Non adoption of HYV, pest infestation	Crop health management
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
8	Dikhari	Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
		Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
		Banana	Pest and disease infestation, marketing management	Crop health management
		Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
9	Dekapam	Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
		Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
		Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
		Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
9	Dekapam	Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
		Potato	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Piggery	Low production, low litter size, high mortality, disease problem, non availability	Piggery management
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management

				quality breed, lack scientific management and feeding	
10		Annapur	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
	Potato		Lack of knowledge on fertilizer application, plant protection, crop management	Crop health and soil management	
	Piggery		Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management	
	Back yard poultry		Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management	
11		Sonapur	Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
	Winter vegetables		Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management	
	Kharif pulse		Low yield of local cultivars, Pest and disease incidence, lack of scientific nutrient management	Crop variety introduction, Crop management	
	Piggery		Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management	
12		Kumolia	Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
	Pea, potato, mustard		Low production, non availability of high yielding variety	Crop production, crop & Soil health management	
	Piggery		Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management	
	Back yard poultry		Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management	
13		Majorbari Assomiya gaon	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
	Vegetables		Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management	
	Back yard poultry		Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management	
	Maize, pea, potato, mustard		Low production, non availability of high yielding variety	Crop production, crop & Soil health management	
14		Nowkata	Sali paddy, ahu paddy, Bao paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
	Winter vegetables		Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management	
	Piggery		Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management	
15		Simen	Sali paddy,	Low yield of local cultivars, non availability	Crop variety

			chapari	ahu paddy	and adoption of HYVs, Lack of knowledge on scientific crop management	introduction, production, crop & soil health management
				Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Mustard	Low production, non availability of high yielding variety	Crop production, crop & Soil health management
				Maize, potato,	Low production, non availability of high yielding variety	Crop production, crop & Soil health management
				Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
				Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
16			Simantapur	Sali paddy	Low yield and non adoption of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
				Maize, potato, Sugarcane,	Low production, non availability of high yielding variety	Crop production, crop & Soil health management
				Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
				Goatery	Low productivity, Lack of scientific management, lack of knowledge on breed up gradation	Goatery management and breed upgradation
17			Dimow gulai	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Goatery	Low productivity, Lack of scientific management, lack of knowledge on breed up gradation	Goatery management and breed upgradation
				Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
18			Shyamjuli	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
				Sugarcane	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
				Goatery	Low productivity, Lack of scientific management, lack of knowledge on breed up gradation	Goatery management and breed upgradation
				Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
19		Sisibor gaon	Bhairabpur	Boro paddy, Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management, water management	Crop production, crop & soil health management
				Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil

					management
			Rabi vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
20		Jariguri	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management, water management	Crop production, crop & soil health management
			Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Rabi vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
21		Khanamukh	Sali paddy	Low yield of local cultivars, non availability of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
			Potato	Disease problem, lack of irrigation facilities, Non availability of HYVs, lack of storage structure	Crop health management, crop management, water management
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
			Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
22		Majgaon	Rabi vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Sali paddy	Low yield of local cultivars, non availability of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
			Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
23		Kafalani	Sali paddy	Low yield of local cultivars, non availability of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
			Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
			Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management

24	Kathalguri	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
		Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
		Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
25	Mesu nalanipam	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop production, crop & soil health management
		Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
26	Betonipam	Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
		Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
27	Deurighat	Sali paddy, ahu paddy, Bao paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
		Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
28	Bukabeel	Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
		Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
		Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
29	Sripani	Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
		Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
		Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
		Winter	Lack of knowledge on fertilizer application,	Crop production, crop

				vegetables	plant protection, crop management	health and soil management
30			Jalakiasuti	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
				Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
				Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
				Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
31			Borpathar	Sali paddy	Lack of knowledge on fertilizer application, Non adoption of HYV, Lack of knowledge on plant protection measures	Soil and crop health management, crop improvement
				Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
				Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
				Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
32			Phulbarigao n	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
				Back yard poultry	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
33			Dakhin Society	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
34		Machk howa	Borpak	Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
				Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production

			Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
			Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Cattle rearing	Low yield, Lack of knowledge on scientific rearing, breed upgradation, feed and fodder management	Livestock management, feed and fodder management and breed up gradation
			Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
35		Bhereki	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Cattle rearing	Low yield, Lack of knowledge on scientific rearing, breed upgradation, feed and fodder management	Livestock management, feed and fodder management and breed up gradation
36		Jiamuia	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Summer vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
			Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
37		Deogharia	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
			Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
			Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Cattle	Low yield, Lack of knowledge on scientific	Livestock

			rearing	rearing, breed upgradation, feed and fodder management	management, feed and fodder management and breed up gradation
			Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
38		Butikur	Sali paddy, ahu paddy, Bao paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
			Sericulture	Nonavailability of high yielding muga crop, diversion of muga rearing to tea cultivation	Sericulture crop management
39		Jurkata	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
			Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
			Sericulture	Nonavailability of high yielding muga crop, diversion of muga rearing to tea cultivation	Sericulture crop management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
40		Borajan	Sali paddy, ahu paddy, Baopaddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
			Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
			Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
41		Chawria	Sali paddy, ahu paddy, Bao paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
			Blackgram	Non adoption of HYV, low productivity of local cultivars	Crop production
			Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
42		Borbam gohain gaon	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Mustard	Non adoption of HYV, low productivity of	Crop production

				local cultivars	
				Blackgram	Non adoption of HYV, low productivity of local cultivars
				Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management
				Sericulture	Non availability of high yielding muga crop, diversion of muga rearing to tea cultivation
43			Hiloipara	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management
				Mustard	Non adoption of HYV, low productivity of local cultivars
				Blackgram	Non adoption of HYV, low productivity of local cultivars
				Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management
44		Bordal ani	Bhebeli Sonowal	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management
				Mustard	Non adoption of HYV, low productivity of local cultivars
				Blackgram	Non adoption of HYV, low productivity of local cultivars
				Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management
				Cattle rearing	Low yield, Lack of knowledge on scientific rearing, breed up gradation, feed and fodder management
				Winter vegetables	Lack of knowledge on fertilizer application & plant protection
45			Gohaibari	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management
				Blackgram	Non adoption of HYV, low productivity of local cultivars
				Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management
				Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management
				Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice
46			Jyotishpur	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management
				Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific

				management practice	management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
47		Kaupatani	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Betelvine, & Arecanut	Pest and disease infestation, Low yield due to non adoption of scientific management practice	Crop health management, Crop management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
			Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
48		Joyrampur	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop production, & soil health management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
49		Adut	Sali paddy, ahu paddy, Bao paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
			Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
			Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
			Ginger & Turmeric	Yield loss due to infestation of diseases, Lack of knowledge on scientific crop management	Crop management , Crop health management
			Mustard	Non adoption of HYV, low productivity of local cultivars	Crop production
50		Bhoma	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil

				Potato	Disease problem, lack of irrigation facilities, Non availability of HYVs, lack of storage structure	health management Crop health management, crop management, water management
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
				Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
				Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
51		Dhema ji	Moridhal	Sali paddy, ahu paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management
				Fishery	Non availability of carp seed, lack of scientific management, lack of feed management practice	Carp seed rearing , Fish pond management, IFS
				Piggery	Low production, low litter size, high mortality, disease problem, non availability quality breed, lack scientific management and feeding	Piggery management
52			Aradhal	Sali paddy	Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management	Crop variety introduction, production, crop & soil health management
				Winter vegetables	Lack of knowledge on fertilizer application, plant protection, crop management	Crop production, crop health and soil management
				Back yard poultry, Duckery	Low egg and meat productivity, mortality due to disease problem, non scientific management	Breed introduction, poultry management

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2012-13

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
PBG	4	4	6	11	3	5	21	26
Plant protection	4	3	12	11	2	2	15	8
Animal Sc.	2	2	9	13	2	3	8	12
Agri. Econ.	2	-	-	-	-	-	-	-
Horticulture	2	-	6	-	1	-	5	31
Agronomy	-	-	-	-	1	-	5	-
Oyster mushroom	-	-	-	-	1	1	30	31

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers								
Rural youth								
Extn. Functionaries								
Seed Production (Qt.)				Planting material (Nos.)				
5				6				
Target		Achievement		Target		Achievement		
NA		NA		NA		NA		
NA		NA		NA		NA		
NA		NA		NA		NA		
NA		NA		NA		NA		

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Crop production	Banana	Lack of disease free suckers	Performance of banana var: Amrit Sagar	-	-	-	-	Suckers, fertilizers

2	Crop production	Toria, Variety: B-9	Low yield of local cultivars	Varietal performance of newly developed yellow sarson variety Binoy under normal and utera cultivation	-	-	-	-	Seed, fertilizers and pesticides
3	-do-	Toria, Variety: JT-90	Lack of late sown variety	On farm trial on late sown toria var: JT-90-1	-	-	-	-	Seed, fertilizers and pesticides
4	-do-	Ahu rice var: Disang	Low yield under direct seeded condition	OFT on aerial rice technology	-	-	-	-	Seed, fertilizers and pesticides
5	Crop health management	Cucurbits	Crop loss due to infestation of fruit fly	Management of fruit fly in cucurbits through integrated approach	-	-	-	-	Seed, IPM inputs
6	-do-	Brinjal	Plant mortality and yield loss due to infestation of diseases and pest	IPM module in Brinjal		Integrate pest and disease management in Brinjal	-	-	Seed, Fertilizer and IPM inputs
7	-do-	Tomato	Plant mortality and yield loss due to infestation of diseases	IDM module in Tomato		Integrate disease and pest management in Tomato	-	-	Seed, Fertilizer and IPM inputs

8	Milk production	Cattle	Deficiency of mineral mixture leading to poor performance in production and reproduction	Supplementation of mineral mixture (AAUVETMIN) to dairy cows for enhancement of milk yield and reproductive performance (conception rate)					Mineral mixture (AAUVETMIN), anthelmintics
9	Health management	Pig	Infection and mortality in piglets due to local open method of castration	Castration of piglets by chemical method					Chemical solution consisting of Glacial acetic acid, potash and distilled water
10	-do-	Ahu rice var: Disang			Performance of Ahu rice Variety: Disang under pre flood situation	-	-	-	Seed, fertilizers
11	-do-	Sali rice var: Gitesh			Demonstration on Sali rice variety Gitesh under staggered planting condition in flood prone areas	-	-	Field day	Seed, fertilizers and pesticides

12		Sali rice			FLD on short duration rice variety Luit under post flood situation as contingency measures	-	-	-	Seed, fertilizers and pesticides
13	-do-	:Black gram Variety: T-9			Demonstration on varietal performance of black gram T-9 with special reference to potash management in different ecosystem	-	-	-	Seed, fertilizers and pesticides
14	-do-	Toria, Variety: TS-36			Demonstration on high yielding Toria variety TS-38	Cultivation practices of rabi oilseeds toria	-	Field day	Seed, fertilizers and pesticides
15	-do-	Boro paddy			Demonstration of boro rice variety Joymati	-	-	Field day	Seed, fertilizers and pesticides
16	-do-	Water melon			Performance of watermelon on sand and silt deposited areas of Dhemaji district	-	-	Field day	Seed, fertilizers and pesticides

17	-do-	Sali rice	Yield loss due to infestation of diseases and pest	-	IPM module in Sali rice	IPM package for Sali paddy	Recent advances in IPM for Sali paddy cultivation	Field day	Seed, Fertilizer and IPM inputs
18	-do-	Nutritional security	Lack of awareness on mushroom cultivation		Production technology of oyster mushroom	Cultivation method of oyster mushroom	-	Demonstration on cultivation method	Spawn, poly bag
19	Fodder production	Hybrid Napier grass	Shortage of green grasses		Cultivation of Hybrid Napier grass (Co- 3)				Cutting, roots, fertilizers
20	Fodder production	Guinea grass	Shortage of green grasses		Cultivation of Guinea grass (PGG-9)				Roots, fertilizers
21	Egg production	Poultry	Less egg production in local indigenous poultry		Rearing of improved type backyard poultry (Kalinga Brown)				Month-old birds, vaccines, medicines
22	Egg & meat production	Poultry	Low growth and egg production in local indigenous poultry		Rearing of Dual purpose poultry (Vanraja)				Month-old birds, vaccines, medicines
23	Milk production		Grass Oat Variety-Kent		Fodder cultivation during rabi season oat (var: Kent)				Seeds, fertilizers

11). Results of On Farm Trials

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio
Performance of banana var: Amrit Sagar	Lack of disease free suckers	Yield, bunch size	2				
Varietal performance of newly developed yellow sarson variety Binoy under normal and utera cultivation	Low yield of local cultivars	Yield	4	Demo:4.28 q/ha (normal) Check: 3.00 q/ha Demo: 2.42 q/ha (utera) Check : 1.85 q/ha (utera)	Farmers are satisfied with the variety under normal sowing condition	Assessment required under utera cultivation	1.51(normal) 0.73 (check) 3.02 (utera) 2.31 (check)
On farm trial on late sown toria var: JT-90-1	Lack of late sown variety	Yield	2	Demo: 8.5 q/ha Check: 5.4q/ha	Farmers are highly satisfied and planning to grow next year	Assessment required	3.19 (demo) 2.02 (check)
OFT on aerobic rice technology	Low yield under direct seeded condition	Yield	3	Crop is in the field			
Management of fruit fly in cucurbits through integrated approach	Crop loss due to infestation of fruit borer	Pest infestation and yield	3	Fruit damage by fruit fly (%) <u>Cucumber</u> Demo: 10 Check: 35 <u>Bitter gourd</u> Demo: 15 Check: 35 <u>Pumpkin</u> Demo: 10 Check: 20	Farmers are satisfied with the technology	Technology can be adopted in the farmer's field as there is less infestation and increase of yield	-
IPM module in Brinjal	Low yield	Pest infestation and yield	3	Bacterial wilt infection: Demo: 9.0% Check: 23.66% Per cent disease reduction: 61.96% Brinjal fruit & shoot	Farmers are satisfied. Biological agent need to be made available in the district.	Technology can be adopted in the farmer's field as there is less infestation and increase of yield	Technology: 2.63 Farmer's practice: 2.10

				borer infestation: Demo: 5.33% Check: 19.33% Per cent disease reduction: 72.42% Yield: Demo: 166.66 qt/ha Check: 117.91 qt/ha Per cent increase yield: 41.34%			
IDM module in Tomato	Low yield	Disease infestation and yield	3	Bacterial wilt infection: Technology: 1.83% Farmer's practice: 9.22% Per cent disease reduction: 80.25% Late blight infection: Technology: 6.00% Farmer's practice: 20.00% Per cent disease reduction: 70.00% Yield: Technology: 336.66 qt/ha Farmer's practice: 293.33 qt/ha Per cent increase yield: 14.8%	Biological agent need to be made available in the district.	Technology can be adopted in the farmer's field as there is less infestation and increase of yield	Technology: 3.43 Farmer's practice: 2.98
Supplementation of mineral mixture (AAUVETMIN) to dairy cows for enhancement of milk yield and reproductive performance (conception rate)	Deficiency of mineral mixture leading to poor performance in production and reproduction	Yield, conception rate	4	Feeding of mineral mixtures is in progress			
Castration of	Infection and	Incidence of	5	Piglets are castrated and under observation			

piglets by chemical	mortality in piglets due to local open method of castration	infection, mortality		
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**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**

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 2012-13 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Rice	Var: Disang	3	10	5 ha
2	Rice	Var: Gitesh	4	12	4.0 ha
3	Rice	IPM module	5	8	6.0
4	Toria	Var: TS-38	14	50	40.0 ha
5	Mushroom	Oyster mushroom	-	-	-
6	Poultry	Vanaraja	10	45	
7.	Fodder	Oat var: Kent	6	10	5.0
8.	Poultry	Kalinga Brown	4	15	-
9.	Fodder	Guinea grass var: PGG-9	2	4	1.0
10	Fodder	Hybrid Napier var: Co1	2	4	1.0
11	Black gram	Var: T-9	-	-	-

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

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

i. Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Ahu rice	Crop production	Var: Disang	Summer,2012	1.0	1.0	3	1	4	-	Rainfed			
2	Sali rice	Crop production	Var: Gitesh	Kharif, 2012	2.0	2.0	6	1	7	-	Rainfed			
3.	Sali rice	Crop production	Var; Luit	Kharif, 2012	-	2.0	-	14	14	Damaged due to flood in September,2012	Rainfed			
4.	Sali rice	Crop Protection	Var: Ranjit	Kharif, 2012	2.0	1.33	3	2	5		Rainfed			
5	Boro rice	Crop production	Var: joymati	Rabi,2012-13	-	1.0	4	-	4	-	Rainfed			

ii. Horticultural crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Water melon	Crop production	Sand and silt deposited areas	Rabi,2012-13	1.0	2.0	20	11	31	-	Rf			

iii. Oilseeds

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Toria	Crop production	Var: TS-38	Rabi,2012-13	3.0	1.0	5	0	5	-	Rf			

iv. Pulses

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Black gram	Crop production	Var: T-9	Kharif,2012	2.0	2.0	9	5	14	-	Rf			

Performance of FLD

Sl. No.	Crop	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Data on parameter in relation to technology demonstrated (Yield, Disease incidence, etc. as specified in FLD Programme)	Economic Impact				Technical Feedback on the Demonstrated Technology	Farmers' Reaction on specific Technologies	
							Average Net Return (Profit) (Rs./ha)		B.C. Ratio				
		Demo	Local Check	Demo			Local Check						
		H	L	A			Demo	Local					
1	2	7	8	9	10	12	13						
1	Ahu rice	20.50	17.00	18.75	14.00	18.75	14.00	6825.00	2550.00	1.67	0.12	Technology is feasible for the district	Satisfied
2	Sali rice 60 days old seedling	44.50	38.50	41.5	31.00	42.0 (45 days seedling) &	40.00(45 days seedling) &	18675.00	9225.00	2.00	1.49	Technology is feasible for the district	Satisfied

	45 days old seedling	45.0	39.0	42.0	40.00	41.5 (60 days seedling)	31.00 (60 days seedling)	19125.00	17325.00	2.02	1.93		
3	Sali rice	54.0	42.0	47.0	39.0	Infestation of Stem borer-2% Hispa-5% Caseworm-2case/aq.m Blast-2,33% Brown spot-5.0%	Infestation of Stem borer-5% Hispa-11.66% Caseworm-4case/aq.m Blast-12,33% Brown spot-12.33%	18300.00	11650.00	1.85	1.54	Technology is feasible for the district	Satisfied
4	Blackgram	5.50	1.00	3.25	3.80	3.25	3.80	3080.00	5830.00	1.23	1.44	Yield is less compare to local cultivar due to late sowing, (Flood during sowing time)	Further demonstration is required to conclude the result
5	Toria	8.25	6.75	7.5	6.25	7.5	6.25	13320.00	8500.00	2.45	1.95	Technology is feasible for the district	Satisfied
6	Watermelon	Crop in the field											
7	Joymati	Crop in the field											
8	Hybrid Napier grass	-	-	720	-	720	-	33450.00	-	2.63	-	Technology is feasible for the district	No local variety, introduced for 1 st time
9	Guinea grass	-	-	652	-	652	-	28388.00	-	2.38	-	Technology is feasible for the district	No local variety, introduced for 1 st time
10	Oat (Var.- Kent)	281	251	266		266	-	21210.00	-	2.30	-	Highly feasible	No local variety, introduced for 1 st time

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

Extension and Training activities under FLD

SI.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	5	26.11.2012; 08.12.2012; 16.02.2013; 31.01.2013; 06.02.2013.	53,35,30,23,26	
2	Farmers Training	2 nos	31.07.2012; 23 & 24 & 25.01.2013	25,30	
3	Media coverage	-			
4	Training for extension functionaries	1 no	03 & 04.10.2012;	25	

c. Details of FLD on Enterprises

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	-	1	1	-	23	-	0	-	23	-	3	-	0	-	3	-	26	-	0	-	26	26	

Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	2	2	-	20	-	2	-	20	-	19	-	2	-	21	-	40	-	2	-	42	42

Note: Please furnish the details of above training programmes as Annexure in the proforma given below : Annexure enclosed

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mushroom	23, 24 & 25.01.2013	Cultivation practice of Oyster mushroom	Mushroom cultivation	3 days	2	28	30	-	-	-	-

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/R/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	26 & 28 .05.2012	among SHGs member	Agril. Economics	Entrepreneurships development	2 days	FW	3	-	129	129	-	22	22	-	151	151	Silapathar Town Committee	Exp. Born by the Committee
2	12-14 March,13	Training on IFS	IFS	IFS	3 days	PF	12	38	2	40	-	-	-	38	2	40	SIRD	29,000.00
3	18-20 March,13	Training on Agriculture	Agriculture	Crop Production	3 days	PF	12	3	0	3	28	9	37	31	9	40	SIRD	29,000.00
4	21-23 March,13	Training on Fishery	Fishery	Fish production	3 days	PF	12	23	0	23	17	0	17	40	0	40	SIRD	29,000.00
Total					9 days		36	64	2	66	45	9	54	109	11	120		87,000.00

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

Sl. No.	Nature of Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Field Day	FLD on IPM module, 26.11.2012	1	21	9	30	20	3	23	0	0	0	41	12	53
		FLD on Gitesh 08.12.12	1	0	0	0	27	8	35	1	0	1	28	8	36
		FLD Toria/16.02.2013	1	0	0	0	15	15	30	0	0	0	15	15	30
		FLD on Fodder cultivation Oat var: Kent,31.01.2013 and 06.02.2013	2	12	23	35	12	2	14	0	0	0	24	25	49
2	Animal Health Camp	Vaccination camp on FMD, 01.06.2012, 04.06.2012, & 28.11.2012	3	95	0	95	27	0	27	0	0	0	122	0	122
		Vaccination camp on Swine Fever vaccine , 30.07.2012	1	15	0	15	10	0	10	0	0	0	25	0	25
3	World Environment Day	05.06.2012	1	23	3	26	17	3	20	0	0	0	40	6	46
4	Awareness Camp	Eco- friendly use of chemical pesticides ,25.06.2012 & 08.10.2012	2	36	7	43	42	2	44	0	0	0	78	9	87
		Climate resilient agriculture	1	0	0	0	42	27	69	0	0	0	42	27	69
		Artificial insemination	1	12	4	16	19	2	21	0	0	0			
		Feeding and disease	1	31	1	32	0	0	0	0	0	0	31	1	32

		management of livestock and poultry during flood and post flood situation													
5	Advisory services	-	-	-											430
6	Diagnostic visit	-													192
7	Method Demonstration	Iron injection in piglets, 21.07.2012 & 16.12.2012	2	15	11	26	17	7	24	0	0	0	32	18	50
		Urea treatment , 27.07.2012	1	9	16	25	0	0	0	0	0	0	9	16	25
8	PRA exercise	9&10.02.2013 and 22 & 23.03.2013		13	7	20	37	16	53	0	0	0	50	23	73
9	Lecture delivered as Resource Person	-	42												1333
10	Radio talk	-	8												
11	Popular article	-	21												
	Grand Total		89												2652

* Example for guidance only

3.5 Production and supply of Technological products during 2012-13: NIL

SEED MATERIALS :

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS					
OILSEEDS					
PULSES					
VEGETABLES					
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS			
2	OILSEEDS			
3	PULSES			

4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
TOTAL				

PLANTING MATERIALS : NIL

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 : NIL

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

SUMMARY

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

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.) : 2012-13, Yearly, 300 copies

(B) Literature developed / published

Item	Title	Authors name	Number of copies
Research papers	-		
Technical reports	-		
Popular articles	Uchcha utpadanksham hahn 'Charra Chembali'	Ashim Kr. Saikia	
	Grishmakalin matimah- magumahar rog aru pratikarar upay	Satya Nath Deka	
	Gaharir fitapelu ba chaolia rog	Ashim Kr. Saikia	
	Hanh palanat chaku diba loga kisu katha	Ashim Kr. Saikia	
	Adar guri aru kanda pacha rog aru iyar su-sanghata niyantran	Satya Nath Deka	
	Gramya udyogat mahilar bhumika	Horindra Gogoi	
	Khadyapran: Pranir dehat iyar kam aru ihatar avabat sarirat hoba para asubidha samuh	Ashim Kr. Saikia	
	Hanhar bivinna rog aru iyar pratikar byabastha	Ashim Kr. Saikia	
	Banakranta anchalar pashudhanar hoba para bemar aru iyar pratirodh	Ashim Kr. Saikia	
	Banakranta anchalat pashudhanar khadyar jatan	Ashim Kr. Saikia	
	Sagoli palan eik labhjanak byabashay	Ashim Kr. Saikia	
	Sadhinuttar kalat Axamar krishi khandar vikash	Gunjan Gogoi	
	Garu-Sagolir petchala bemar	Ashim Kr. Saikia	
	Pashudhanar para loba loga sabodhanata	Ashim Kr. Saikia	
	Hanh palanat chaku diba loga kisu katha	Ashim Kr. Saikia	
	Adar guri aru kanda pacha rog aru iyar su-sanghata niyantran	Satya Nath Deka	
	Sitkalat Broiler kukurar brooding byabasthapana	Ashim Kr. Saikia	
	Garur ohar fula bemar aru iyar protirodh byabastha	Ashim Kr. Saikia	
	Krishak sanghar jaryate Krishi kshetra tatha gramanchalar artha samajik unnayan (Part- I)	Horindra Gogoi	
	Krishak sanghar jaryate Krishi kshetra tatha gramanchalar artha samajik unnayan (Part- II)	Horindra Gogoi	
	Krishak sanghar jaryate Krishi kshetra tatha gramanchalar artha samajik unnayan (Part- III)	Horindra Gogoi	
Leaflets/folders	-		
Total	-		
Grand TOTAL	-		

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: Nil

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

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

Mr Prasanta Gogoi- a successful agri entrepreneur

Essential sustenance for livelihood of more than 85% of the people residing in Dhemaji is agriculture and allied sectors. The farmers of the district are less aware of the modern tools and technology in agricultural and allied sectors. Since inception, Krishi Vigyan Kendra, Dhemaji has been giving an untiring effort to up grade the knowledge and to build up the capacity of the farmers through its mandated activities. Non availability of quality inputs, non judicious use of valuable resources, lack of knowledge on market led production system etc. are some considerable reason for low economic return of farmer, in spite of their incessant effort on cultivation of cereal, oilseeds, vegetables and rearing of livestock especially poultry and pig.

Mr. Prasanta Gogoi, son of Sri Nandeswar Gogoi, resident of Jariguri village under Sisiborgaon administrative block, a 28 years old young, energetic and progressive farmer has been five years. He possess 4.66 ha 0.33 ha is under homestead round vegetable production and medium low land suitable for coming in contact with KVK, vegetable crops like Potato, gourd, Tomato in his farm, but lack of proper knowledge and resources and excessive use of In December, 2011 he heard his radio set and visited KVK, preliminary discussion and visit part were assessed. Prasanta new methods of farming for very hard working and also an innovative agricultural 12 he attended trainings and programmes on scientific and vegetables, integrated integrated nutrient compost preparation and to his eagerness to adopt new by KVK, Dhemaji as a programme on IPM of *Sali* rice



Prasanta always taking technical help from KVK scientist



Prasanta successful in Ridge gourd cultivation



Prasanta observing his Tomato field



Prasanta adopting all scientific method for HYV paddy cultivation

engaged in farming since last of ancestral land, out of which garden, 1 ha is suitable for year others are medium, and *Sali* paddy cultivation. Before Dhemaji, he cultivated different Cabbage, Cauliflower, Ridge net return was marginal due to non scientific management of fertilizer and pesticides. the name of KVK, Dhemaji in Dhemaji office. Through to his farm, lacunae from his has always been keen to learn increasing profitability. He is a early adopter of different technologies. In the year 2011- method demonstration cultivation method of rice crops disease and pest management, management, use of ITKs, backyard poultry rearing. Due technologies, he was selected beneficiary for FLD (variety- Ranjit) and backyard

rearing of *Vanraja* bird during 2012-13. He was also given a Lower tiller by the State Agricultural Department under a subsidy scheme. He frequently visited KVK, Dhemaji for various technological know how and KVK Scientists also made frequent visit to his farm for technology backstopping. He follows the recommended technologies including use of high yielding varieties, follows proper sowing window and spacing, irrigation, pest and disease management and nutrient management etc. He is also a active participant of various training programmes organized by KVK, Dhemaji in his locality.

During 2012-13, Prasanta cultivated Ridge gourd in 0.34 ha land and earned Rs. 80,000.00 (Rupees eighty thousand) as net profit. During kharif, 2012 he cultivated paddy in 3.5 ha of land; out of which 1.2 ha was under HYV Ranjit, 0.5 ha under HYV Mahsuri and others under local cultivar and harvested 100 qtl of marketable produce of Rs.1,00,000.00 (Rupees one lakh). He also cultivated cauliflower in 0.13 ha area and sold 40 qtl earning Rs.15,000.00 (Rupees Fifteen thousand) as net profit. He has raised 220 numbers of Betel vine by *Khuti* method which is about to reach marketable stage and expecting to earn around Rs 20000.00. At present he has cultivated 0.35 ha land under ridge gourd, 0.13 ha land under cow pea, 0.13 ha land under okra and 0.13 ha land under hybrid tomato cultivation and has already harvested 15 qtl ridge gourd and 5qtl of cow pea crop and earned Rs.25,0000.00. He is also rearing *Vanraja* bird and expects a remunerable earning from it. He has also started a small unit of 4 numbers of pigs to utilize vegetable waste and is also planning a vermicompost unit to recycle the farm waste products to enhance the productivity of his valued land. He has also dug a bore well for irrigation. Thus, his yearly net income (2012-13) from agriculture and allied sector goes up to Rs.2,50,000.00 (Rupees Two lakh fifty thousand) only. He has involved around four person every day to help him in his farm work. In this way, Mr. Prasanta Gogoi has set up an example in his locality that a person can be a grower, an entrepreneur and generate employment for himself and others. Looking at his success few other youths have also come forward and taken up the farming as self employment generating system.

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

1.9 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):NIL

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

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

- Identification of courses for farmers/farm women: PRA and Discussion with line department
- Rural Youth: PRA and Discussion with line department
- In service personnel: Discussion with line department

3.11 Field activities

- i. Number of villages adopted : 1 no
- ii. No. of farm families selected : 160 nos
- iii. No. of survey/PRA conducted :2 nos

3.12. Activities of Soil and Water Testing Laboratory : NA

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

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

3. Details of samples analyzed so far : NA :

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

4.0 IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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, Dhemaji, Govt. of Assam	In planning and organizing training programme, farmers-Scientist interaction, District ATMA diagnostic survey, and in implementing various schemes, Field visit and monitoring of NASM programme
2. Department of Animal Husbandry, Govt. of Assam	In planning and implementing training programme and also organizing health camp for vaccination of farm animals.
3. Regional Agril. Research Station, AAU, North Lakhimpur	Implementation of TSP project on Promotion of Agriculture centric Sustainable Livelihood Security for Tribal farmers of Assam.
4. District Fishery Deptt. Dhemaji, Govt. of Assam	In planning and organizing training programme
5. Rural Volunteer Centre (NGO), Akajan, Silapathar, Dhemaji .	Selecting of sites and conducting FLD, OFT, implementing NAIP (AFPRO) programme
6. Deptt. of Social welfare, Dhemaji	For conducting training
7. All India Radio & Doordarshan Kendra, Dibrugarh	For coverage of rural programme and members of advisory committee meeting
8. DRDA	For capacity building through training programme
9. SIRD	Action research project on rearing of pigs in Dhemaji district sponsored by SIRD under BRGF, training and other collaborative programmes
10. NABARD	Participation on training as resource person and KCC
11. Goat Research Station, Bournihat	Survey on Assam Hill Goat in Dhemaji district
12. Gharmora Satra, NGO	KVK participated on training programme as resource person
13. AICRP on FMD, CVSc, AAU, Khanapara	Organizing Animal Health Camp
14. BNCA, AICRP on Dryland Agriculture	KVK, Dhemaji is a implementing center of TSP-NICRA up scaling programme sponsored by CRIDA, Hyderabad

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.)
TSP – NICRA Upscaling programme	March, 2013	ACRIDA, Hyderabad	11,77,990.00
Action Research Programme on pig rearing	March, 2013	SIRD, Chauldha Ghat under BRGF	5,00,000.00

6.5 Rainwater Harvesting : NA

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/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 (Month Wise): NA

Accommodation available (No. of beds) :

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

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	State Bank of India, Kulajan	Kulajan, Silapathar, Dist: Dhemaji	11869162145

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

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31 st March, 2013
	2009-10	2010-11	2011-12	2012-13	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2012 -13

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	34.00	36.89	36.89
2	Traveling allowances	1.75	1.52	1.52
3	Contingencies	7.00	6.45	4.74
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		42.75	44.86	43.15
B. Non-Recurring Contingencies				
1	Works	Nil		
2	Equipments including SWTL & Furniture	Nil		
3	Vehicle (Four wheeler/Two wheeler, please specify)	Nil		
4	Library (Purchase of assets like books & journals)	Nil		
TOTAL (B)		Nil		
C. REVOLVING FUND		Nil		
GRAND TOTAL (A+B+C)		42.75	44.86	43.15

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2010 to March 2011				
April 2011 to March 2012				
April 2012 to March 2013				

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

1. **Technology showcasing cum certified seed production** programme on Sali rice var: Ranjit was conducted during 2012-13 at two locations viz.,Borbam Gohaingaon and Mesu Kachari covering 20 ha of land and no.of farmers were 57
2. Another **technology showcasing cum certified seed production** programme on toria var: TS-36 & TS-38 was conducted during rabi 2012-13 at three locations viz.,Borbam Gohaingaon, Naikush and Chawaria covering 70 ha of land and no.of farmers were 145
3. **Community nursery programme:** KVK, Dhemaji has taken up community nursery programme for distribution of rice seedling to the flood affected farmers of the district. The rice seedlings were distributed to the farmers of Simenchapori, Dimow, Telem, Somkong, Misamora areas. The Honorable Vice Chancellor, AAU, Jorhat, Dr. K. M. Buzarbaruah Sir inaugurated the distribution in a ceremonial session during his first visit to Dhemaji district. The Honorable Vice Chancellor sir has advised to give thrust on secondary agriculture
4. **Training under BRGF:** Three numbers of training were conducted under BRGF programe, sponsored by SIRD, Guwahati. The trainings were conducted on 'Integrated farming system' at Machkhowa, 'Agricultural crop' at Simen Chapori and 'Fishery science' at Bordoloni covering 120 nos. progressive farmers
5. **Women Empowerment:** A special programme on women emlowerment was conducted by KVK Dhemaji on date 26th June, 2012 which was sponsored by Silapathar Town committee. A total of 151 numbers of rural women including 85 SHGs participated in the programme. During day long programme farm women were make aware of different income generating activities such as duckery, goatery, piggery, post harvest technologies, mushroom cultivation, vermicompost production etc.

6. **Action Research Project on Pigs:** Action Research Project on Agriculture & allied sector under BRGF, sponsored by SIRD, Guwahati is being implemented in by KVK, Dhemaji, covering 21 numbers farmers in three villages namely Solonaki, Silagaon and Joriguri. In the programme sixty three (63) piglets are being distributed along with support for making sty, feed, medicine and vaccine.
7. **Promotion of Agriculture Centric Sustainable Livelihood Security for Tribal Farmers of Assam:** The Regional Agricultural Research Station, North Lakhimpur collaborated with the KVK, Dhemaji in implementing this programme where, 10 nos. of tribal villages of the district were selected for intervention in piggery, poultry, horticulture and field crop components. Presently works under each of the components were started.
8. **Pither drip irrigation in Assam Lemon:** OFT on Pitcher drip irrigation system was conducted under All India Coordinated Research Project on Dry Land Agriculture (AICRPDA), BNCA, AAU in Jalakiasuti village during the last dry spell in the month of December. Now the trial is under observation.
9. **Bamboo drip irrigation in Betelvine :** OFT on Pitcher drip irrigation system was conducted under All India Coordinated Research Project on Dry Land Agriculture (AICRPDA), BNCA, AAU in Jalakiasuti village during the last dry spell in the month of December. Now the trial is under observation.
10. **TSP- NICRA up-scaling programme:** The TSP- NICRA Technology demonstration programme funded by CRIDA, ICAR, Hyderabad has been initiated under AICRP on Dry land Agriculture, BNCA, Biswanath Chariali. The project has been implementing at Jalakiasuti village of Sissiborgaon block, Dhemaji. The project aims at testing and demonstrating proven technologies for making agriculture and allied sector less vulnerable to changing environment scenario.

8.1 Constraints

(a) Administrative;

1. Vacant of 2 SMS position
2. Vacant of 1 Grade IV staff
3. Vacant of stenographer cum computer operator post

(b) Financial

1. Contingency fund should be increased

(c) Technical

1. lack of Laptop and portable generator set for smooth running of Off Campus programme
2. Large scale demonstration programme with free inputs should be included
3. Two nos of motorcycle should be provided to go to remote areas where four wheelers cannot reach.

Programme Coordinator
KVK, Dhemaji
Silapathar-787059

Annexure*The details of training programmes*

Date	Client	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
31.07.2012	PF	IPM package for Sali paddy	Plant Protection	IPM	1 day	Off	16	0	16	9	0	9	25	0	25
13.08.2012	PF	IPM practice for Sali paddy	Plant Protection	IPM	1 day	Off	20	0	20	6	0	6	26	0	26
23.08.2012	PF	Care and management of dairy cattle	Animal Science	Dairy management	1 day	Off	18	7	25	0	0	0	18	7	25
24.08.2012	PF	Entrepreneurship Development of farmers	Agricultural Economics	Entrepreneurial development of farmers/youths	1 day	Off	11	9	20	5	3	8	16	12	28
25.08.2012	PF	Care and management of pigs	Animal Science	Piggery management	1 day	Off	0	0	0	10	15	25	10	15	25
31.08.2012	PF	Care and management of pigs	Animal Science	Piggery management	1 day	Off	0	0	0	11	16	27	11	16	27
01.09.2012	PF	Cultivation practices of post flood transplanted and direct seeded Sali rice	PBG	Cropping sequence	1 day	Off	25	0	25	0	0	0	25	0	25
04.09.2012	PF	Cultivation practices of post flood transplanted and direct seeded Sali rice	PBG	Cropping sequence	1 day	Off	11	14	25	0	0	0	11	14	25
14.09.2012	PF	Integrated Disease Management in Betelvine	Plant Protection	IDM	1 day	Off	1	0	1	26	0	26	27	0	27
03 & 04.10.2012	EF	Recent advances in IPM for Paddy cultivation	Plant Protection	IPM	2 days	Off	14	0	14	10	1	11	24	01	25
07.10.2012	PF	Control measures of diseases in	Plant Protection	IDM	1 day	Off	2	0	2	24	6	30	26	6	32

		vegetable nursery bed													
16.10.2012	PF	Care and management of dairy cattle	Animal Science	Dairy management	1 day	Off	0	0	0	17	9	26	17	9	26
18.10.2012	PF	Preparation and management of nursery bed for vegetable crops	Horticulture	Nursery management	1 day	Off	21	8	29	1	0	1	22	8	30
19.10.2012	RY	Care and management of commercial broiler as well as non-descript poultry	Animal Science	Poultry management	1 day	Off	19	7	26	0	0	0	19	7	26
21.11.2012	PF	Scientific method of cultivation of rabi oilseed (Toria) for higher yield	PBG	ICM	1 day	Off	6	0	6	23	0	23	29	0	29
24.11.2012	PF	Integrated pest and Disease Management in potato	Plant Protection	IDM	1 day	Off	0	0	0	22	4	26	22	4	26
25.11.2012	PF	Integrated pest and Disease Management in brinjal	Plant Protection	IDM	1 day	Off	24	3	27	1	0	1	25	3	28
27.11.2012	PF	Disease Management in livestock	Animal Science	Disease management	1 day	Off	9	17	26	0	0	0	9	17	26
28.11.2012	PF	Improved cultivation practices of cole crops	Horticulture	Off season vegetables	1 day	Off	25	0	25	0	0	0	25	0	25
29.11.2012	PF	Care and management of dairy cattle	Animal Science	Dairy management	1 day	Off	17	6	23	3	0	3	20	6	26
2601.12.2012	PF	Post harvest management of Sali rice for seed purpose	PBG	Seed production	1 day	Off	7	0	7	19	0	19	26	0	26
02.12.2012	PF	Scientific method of cultivation of boro	PBG	ICM	1 day	Off	0	0	0	25	0	25	25	0	25

		rice for higher yield													
06.12.2012	PF	Scientific cultivation of sugarcane	Agronomy	ICM	1 day	Off	11	1	12	9	0	9	20	1	21
09.12.2012	PF	Improved cultivation practices of potato and sweet potato	Horticulture	Tuber crops	1 day	Off	23	0	23	3	0	3	26	0	26
10.12.2012	PF	Care and management of dairy cattle	Animal Science	Dairy management	1 day	Off	21	4	25	0	0	0	21	4	25
21.12.2012	FW	Formation and management of SHGs	Agricultural Economics	Formation and management of SHGs	1 day	Off	0	23	23	0	3	3	0	26	26
24.12.2012	EF	Livestock feed and fodder production	Animal Science	Fodder management	1 day	Off	6	0	6	10	1	11	16	1	17
03.01.2013	PF	Scientific method of cultivation of rabi oilseed (Toria) for higher yield	PBG	ICM	1 day	Off	0	0	0	23	4	27	23	4	27
04.01.2013	FW	Formation and management of SHGs	Agricultural Economics	Formation and management of SHGs	1 day	Off	0	25	25	0	0	0	0	25	25
08.01.2013	FW	Entrepreneurship Development of farmers	Agricultural Economics	Entrepreneurial development of farmers/youths	1 day	Off	0	20	20	0	3	3	0	23	23
09.01.2013	PF	Dealing with chemical pesticides	Plant Protection	IDM	1 day	Off	8	0	8	8	0	8	16	0	16
10.01.2013	RY	Post harvest management of Sali rice for seed purpose	PBG	Seed production	1 day	Off	0	0	0	16	9	25	16	9	25
11.01.2013	PF	Integrated pest and Disease Management in tomato	Plant Protection	Bio control of pests and diseases	1 day	Off	4	0	4	21	0	21	25	0	25
23, 24 & 25.01.2013	RY	Cultivation practice of Oyster mushroom	Plant Protection	Mushroom cultivation	3 days	Off	0	3	3	2	25	27	2	28	30
01.02.2013	PF	Entrepreneurship Development of farmers	Agricultural Economics	Entrepreneurial development of farmers/youths	1 day	Off	9	0	9	10	4	14	19	4	23
02.02.2013	PF	Entrepreneurship	Agricultural	Entrepreneurial	1 day	Off	0	0	0	20	5	25	20	5	25

		Development of farmers	Economics	development of farmers/youths											
03.02.2013	PF	Managing Group Dynamics	Agricultural Economics	Managing Group Dynamics	1 day	Off	0	0	0	10	15	25	10	15	25
07.02.2013	PF	Scientific method of cultivation of boro rice for higher yield	PBG	ICM	1 day	Off	4	0	4	17	3	20	21	3	24
26.02.2013	PF	Entrepreneurship Development of farmers	Agricultural Economics	Entrepreneurial development of farmers/youths	1 day	Off	25	0	25	0	0	0	25	0	25
07.03.2013	PF	Method of vermicompost preparation	Soil Science	Vermicompost preparation	1 day	Off	0	0	0	20	3	23	20	3	23
10.03.2013	PF	Improve cultivation practices of ginger and turmeric	Horticulture	Production and management of tuber crops	1 day	Off	7	0	7	15	3	18	22	3	25
11.03.2013	PF	INM in rabi vegetables	Soil science	INM	1 day	Off	11	0	11	13	0	13	24	0	24
12.03.2013	PF	Improve method of vermicompost preparation	Soil Science	Vermicompost preparation	1 day	Off	10	2	12	8	2	10	18	4	22