KRISHI VIGYAN KENDRA, SIVASAGAR

ANNUAL REPORT, 2015-16

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Sivasagar, Assam PO: Rohdoipukhuri Via Santak PIN : 785687 www.aau.ac.in/dee/kvksivasagar/index.html	NA	NA	kvksivasagar@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat -785013	0376-2340029	0376-2310708	registrar@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Phuleswar Nath	NA	9954411012	phuleswarnath@rediffmail.com

1.4. Year of sanction: 2003

1.5. Staff Position **(As on 31st March, 2016)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. Phuleswar Nath	Programme Coordinator	Plant Pathology	37400-67000	60600	31.03.05	Permanent	OBC
2	Subject Matter Specialist	Mrs. Arunima Bharali	Subject Matter Specialist	Nematology	15600-39100	26590	06.11.08	Permanent	OBC
3	Subject Matter Specialist	Mr. Rupjyoti Borah	Subject Matter Specialist	Soil Science	15600-39100	26590	10.10.01	Permanent	OBC
4	Subject Matter Specialist	Mrs. Trishnalee Saikia	Subject Matter Specialist	Agril. Economics	15600-39100	22280	07.11.08	Permanent	MOBC
5	Subject Matter Specialist	Mrs. Nayanmoni Buragohain	Subject Matter Specialist	Horticulture	15600-39100	24320	19.10.15	Permanent	OBC
6	Subject Matter	Dr. Debajit Deka	Subject Matter	Animal Science	15600-39100	21000	27.10.15	Permanent	General

	Specialist		Specialist						
7	Subject Matter Specialist	Miss Priyanka Dutta	Subject Matter Specialist	Agronomy	15600-39100	21000	19.10.15	Permanent	OBC
8	Programme Assistant	Mr. Priyabrot Bordoloi	Prog. Asstt.	Agri. Extension	8000-35000	13290	29.12.15	Permanent	General
9	Computer Programmer	Sri Juga Rashmi Borah	Prog. Asstt. (Comp)	Computer	8000-35000	18360	11.11.08	Permanent	OBC
10	Farm Manager	Mr. Debashish Baruah	Farm Manager	Agronomy	8000-35000	12900	31.8.15	Permanent	General
11	Accountant / Superintendent	Miss Rashmirekha Saikia	Office Superintendant cum Accountant	Agri-Business Management	8000-35000	14110	22.02.12	Permanent	OBC
12	Stenographer	Mrs. Karabi Borgohain Phukan	Jr. Steno cum computer operator		5200-20200	9310	18.02.12	Permanent	OBC
13	Driver	Sri Joy Chandra Bora	Driver cum Mechanic		5200-20200	8430	22.02.12	Permanent	General
14	Driver	Sri Phanidhar Gogoi	Driver cum Mechanic		5200-20200	8430	22.02.12	Permanent	OBC
15	Supporting staff	Baneswar Gogoi	Grade -IV		4560-15600	11020	09.02.96	Permanent	OBC
16	Supporting staff								
	Total	**15**							

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

b. Total cultivable land with KVK (in ha) : 10 ha

c. Total cultivated land (in ha) : 2 ha

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	0.800
2.	Under Demonstration Units	0.014
3.	Under Crops (Cereals, pulses, oilseeds etc.)	2.000
4.	Under vegetables	
5.	Orchard/Agro-forestry	0.5
6.	Fisheries	0.65

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	19.7.2014	238	8498471.75		-	100% Complete
2.	Farmers Hostel	-do-	-			14.4.2009	305	Incomplete
3.	Staff Quarters (6)	-do-				14.4.2008	298	95% Complete
4.	Demonstration Units (2)	RKVY	9.10.2013 11.2.2014	237.87	2037304.00			100% Complete
5	Fencing	ICAR	26.7.2012	723	1425899.00	-	823	45% Complete

B) Vehicles

Type of vehicle	Regn. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall Jeep	AS-03E-0029	2005-06		99700	Running
Power Tiller		2009	148000.00		Running

C) Equipments & AV aids

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

1.8. A). Details SAC meeting* conducted in the year 2015-16

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	28.3.16	Dr. K. M. Bujarbaruah, VC Dr. H. C. Bhattacharyya, DEE Dr. G. N. Hazarika, DR (Agri) Dr. T. Ahmed, Chief Scientist Dr. M. Neog, ADEE(T) Dr. J. Barman, VO Dr. A. Barthakur, DAO P. Deka, DFDO N. K. Malakar, DFO Dr. Lalit Kalita, DVO B. Gogoi, SCO R. P. Thakur, AEE, Irrigation Mr. T. Handique, Farmer R. Konwar A. Chetia S. Gogoi A. Dihingia J. Dutta M. Duarah H. Dutta	1. Performance of Arka Rakshak, a tomato variety which is resistant to wilt is to be evaluated instead of variety Arka Shreshtha 2. To implement SMART farming concept for small farmers where technology input could be obtained from Government of India's programme such as organic farming which includes organic crop production, organic livestock production and accordingly certified as organic product 3. The process of issue of Soil Health Card (SHC) to the farmers should be continued with full zeal the areas deficient in specific nutrients should be amended properly 4. Some new fruit crops like apple, almond, new varieties of Mango should be tried in the district for crop diversification 5. Special attention on pulse crop should be given in the District. 6. In sericulture, castor plant should be tried as intercrop in existing Som plantation 7. Model village should be developed involving all line departments 8. On farm trial on True Potato Seed should be taken up	1. Arka Shreshtha is a F1 hybrid with resistance to bacterial wilt developed by IIHR, Bangaluru. OFT pending due to non availability of Seed. 2. Annual budget was not sufficient to carry out the FLD on vermicompost in concrete tanks on 60:40 basis. Proposal submitted for this year only. 3. Impact analysis on FLDs (IPM, Vermicoposting, Technology Showcasing, Vanaraja bird etc.) are in progress. 4. In Animal Husbandry sector three research papers have already been published. 5. As per suggestions of the Project Director, DRDA requested KVK to screen out the dedicated farmers for proper implementation of their programmes Done in relation to NRLM programme and created success stories 6. Strawberry but not succeeded in Poly house condition. 7. Workshop on Prospects of Multiple Cropping is yet to be done and will be tried in this year

**** 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)

Sl. No	Farming system/enterprises
1.	Agri – Hort – AH
2.	Agri – Hort – AH – Fishery
3.	Agri – Hort – AH – Seri
4.	Hort – Agri
5.	AH
6.	AF – Agri

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

Sl. No	Agro-climatic Zone	Characteristics
1	Upper Brahmaputra Valley Zone	❖ This zone covers 160789 sq/ km ❖ Hot and wet summer climate ❖ Maximum temperature 37^{o}C ❖ Minimum temperature 7^{o}C ❖ Relative Humidity : 96% ❖ Heavy rainfall: March, April and May ❖ Very cold during January and February ❖ Dry weather: Mid October – Mid December

2.3 Soil type/s

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

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

Sl. No	**Crop**	**Area (ha)**	**Production (Mt)**	**Productivity (kg/ha)**
1	Winter paddy	95535	236386	2474.34
2	Autumn Paddy	129	150	1163
3	Summer paddy	172	510	2965.12
4	Wheat	9	12	1333.33
5	Black Gram	278	153	550.36
6	Lentil	7	3	428.57
8	Rapeseed & Mustard	1887	932	494
9	Sugarcane	84	2992	35619
10	Jute	25	211	8440
11	Banana	1569	25708	16385
12	Orange	293	2867	9785
13	Pineapple	137	1990	14526
14	Papaya	158	3847	24348
15	Litchi	176	1178	6693
16	Mango	288	3362	11674

17	Guava	219	4159	18991
18	Jackfruit	893	6858	7680
19	Assam lemon	504	2885	5724
20	Potato	745	3296	4424
21	Onion	55	153	2782

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April, 2015	0.8	36.1	16.7	84.3
May, 2015	0.4	38.3	20.1	86.2
June, 2015	3	39.6	21.9	88.5
July, 2015	101.4	40.6	23.6	80.8
Aug, 2015	6.8	39	23.4	88.5
Sept, 2015	1.6	31.1	24.3	96.4
Oct, 2015	-	-	-	-
Nov, 2015	-	-	-	-
Dec, 2015	-	-	-	-
Jan, 2016	-	-	-	-
Feb, 2016	-	-	-	-
Mar, 2016	90.2	33.9	18.6	86.9

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (Sample survey 2013-14)

Category	Population	Production	Productivity
Cattle	413355		
Indigenous cattle	345063		
Crossbreed cattle	15607		
Buffalo	18653		
Sheep	111		
Goats	114689		
Horses and ponies	323		
Pigs	79714		
Total livestock	690980		
Fowls	457127		
Ducks	172094		

Numbers and Area of fishery, fish production in Sivasagar District

Sl. No.	Item	Unit	2011-12	2012-13
1	Registered beel	Nos.	14	260
2	Area under registered beel	Hect.	1920	260
3	Unregistered beel	Nos.	117	133
4	Area under unregistered beel	Hect.	1469.22	2665
5	Registered River Fisheries	Hect.	-	
6	Fish production		-	
	Department	Kg	-	
	Private	M.T.	11558.93	10579.82
7	Seed Production			
	Department	Lakh		
	Private	Lakh	173.80	81.20
8	Imp. Fish from outside the state	Tonnes	240	210

Source: Office of the Deputy Director of Economics and Statistics, Sivasagar

6. Details of Operational area / Villages (2015-16)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Sivasagar sub-Division	Sivasagar block	Betbari, Cherekapar, Nemuguri, Hanhsora, Gargaon, Rajabari, Rajmai, Bakata.	Rice, Tea, Horticulture crops, Vermicompost, Mushroom, Backyard poultry	Pests and diseases, flood	Rice, Tea, dairy, piggery, fishery, Horticulture crops, Vermicompost, Mushroom,
		Demow block	Rajabari, Netaipukhuri, Sukhanpukhuri, Demow, Disangmukh, Panbesa, Konwarpur, Jhanji, Sesamukh, Bhekuri chapori	Rice, mustard, vegetables and horticultural crops, Vermicompost, Mushroom, Backyard poultry	Low productivity, pests and diseases.	Rice, mustard, vegetables, pea, black gram. Mushroom, Backyard poultry
		Gaurisagar block	Rangpur, Rudrasagar, Magarhat, Dikhowmukh, Khanamukh, Rupohimukh, Discial, Bhorolua, Garbhoga, Nakatani Kalugaon, Charing Duwarahpar, Khanikar gaon	Rice, vegetables, fishery, poultry, piggery. Vermicompost, Mushroom,	Low productivity, pests and diseases. Flood occurrence.	Rice, fishery, vegetable crops, contingency planning, Vermicompost, Mushroom, Backyard poultry
2.	Amguri sub-division	Amguri block	Namti, Amguri, Lalimchiga, Khanikar, Samguri, Tarabari, Haluating, phulpanichiga	Rice, mustard, wheat, horticultural crop.	Pests and diseases. Low productivity of citrus.	Rice, horticultural crop, rejuvenation of citrus plantations.
3.	Nazira sub_division	Nazira block	Nazira, Simologuri, Namti, Galeki, Dhopabar, Hanhsora, Bartala, Ligiripukhari, Chauak, Bihubar, Mesagarh, Rohdoipukhuri, mezenga, sundarpukhuri	Rice, wheat, jute, potato, sugarcane, piggery, fishery, dairy Vermicompost, Mushroom, Backyard poultry	Low production, pest and disease incidence.	Management of production technology. Vermicompost, Mushroom, Backyard poultry
4.	Sonari sub-division	Sonari block	Lakua, Safrai, Mathurapur, Dolbagan, Borhat, Bhojo, Tengapukhuri, Sepon, Abhoipur, Maibela, Charaideo,	Rice and horticultural crops, banana, pine apple, coconut,	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, coconut, mustard.

		Mahmora block	Nirmalia, Nizkhaloighugura, Kochupathar, Moranjan, Doba, Lessaihabi, Laiseng, Barbarua, Moudumoni, Himpara, Bisrampur, Nabajyoti, Bogoriting, Holmari	Rice and horticultural crops, banana, pine apple, coconut, tea	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, mustard, Vermicompost, Mushroom, Backyard poultry
		Sapekhati block	Balikhetia, Chotianaguri, Kanubari, Balijan,	Rice and horticultural crops, banana, pine apple, pea,	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, coconut, mustard.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2015-16

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
Agronomy	2	2	3	3	5	5	108	108
Horticulture	3	1	9	8	3	2	9	6
Plant Protection	3	3	9	9	3	3	39	58
Soil Science	-	-	-	-	4	4	87	87
Animal Sc	2	1	20	15	2	1	6	3
Agril. Economics	2	2	130	130	2	2	150	150
Total	**12**	**9**	**171**	**165**	**19**	**17**	**399**	**412**

Note: Target set during last Action Plan Workshop

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								
Total								

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	Achievement	Target	Achievement

3. B. Abstract of interventions undertaken during 2015-16

Sl. No1	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	Varietal evaluation	Rice	Non availability of submergence tolerant variety in flood effected area	High Yielding Submergence tolerant variety Swarna Sub1, Ranjit Sub 1 and Bahadur Sub 1		1.Quality seed production of rice and certification procedure			Seed
2		Fodder	Non-availability of improved grassy fodder species		Demonstration of fodder crop Oat Var. Kent	2. Quality seed production in pulse crop and storage.			Seed
3		Toria	Non availability of HYV with farmers	-	Scientific cultivation of Toria var. TS-38	Scientific cultivation of Oilseed		Field day – 1	Seed, Plant protection chemicals
4		Blackgram	-do-	-	Scientific cultivation of Blackgram Var. IPU-94-1	Scientific cultivation of Blackgram		Field day – 1	Seed, Plant protection chemicals

5	Varietal evaluation	Lentil	-do-	-	Scientific cultivation of Lentil Var. PL-406			Field day – 1	Seed, Plant protection chemicals
6		Pea	-do-	-	Scientific cultivation of Pea Var. Rachna				Seed, Plant protection chemicals
7		Marigold	Lack of high yielding variety in Summer season	Evaluation of Marigold variety 'Seracole'	-	-	-	-	Planting material, fertilizer, plant protection chemicals
8		Tuberose		-	Popularization of tuberose variety 'Calcutta Double'	-	-	-	
9		Pumpkin			Demonstration on Pumpkin variety Arjuna F1 in Sivasagar district	-	-	-	
10		Poultry	poor growth rate and egg production	OFT on Evaluation of newly developed Kamrupa under field condition of Sivasagar district	-	-	-	-	Day old chicks, feed, medicine and vaccine
11	INM	Toria	Lack of awareness on INM	-	Use of biofertilizer in toria	Vermicomposting and vermiculture – 4 Production		Soil test campaign – 10 Method demonstration – 3	Vermicompost, Biofertilizer (Azotobacter, PSB)
12		Lentil	-do-	-	Use of biofertilizer in lentil				

13		Pea	-do-	-	Use of biofertilizer in Pea	and use of organic inputs – 1			
14	IPM	Rice		Control of false smut disease of Sali rice var. Mahsuri	IPM in Sali rice var. Ranjit			Field days-2	Seeds, fertilizer, Critical plant protection chemicals
16				Bio-intensive pest management of rice var. Mahsuri					Biofor-PF-2, Trichocard
17		Brinjal		IPM in brinjal fruit and shoot borer					Seeds of brinjal, garlic, fertilizer, pastoneem
18	Beneficial insect	Toria			Honeybee pollination in toria				Honeybee hive, colony,carrying bee hive,stand
19	Beneficial organism	Oyster mushroom			Oyster mushroom production technology			Method demonstratio n :2	Spawn, polypropylene bags ,
20	Financial managem ent of agril farms	-	Lack of awareness about financial management in farm level	-	Farm records and account keeping	Financial manageme nt of agricultural farms	-	-	Provision of booklet on farm records under FLD

21	Participatory video making		Lack of awareness and interest for oyster mushroom production as a low cost and profitable enterprise		Participatory Video Making on Scientific Oyster Mushroom production technology by SHG members and Demonstration			Video show - 2	
22	Extension networks		Lack of information on the relative effectiveness of existing extension channels	Relative efficiency of the extension networks utilized by the fish producers of Sivasagar district					
23	Self Help Group		Study on relative performance of SHG is lacking	Relative performance of different group sizes of SHG on annual savings		Income generating activities for economic empowerement of women SHGs			
24	Marketing and value addition		Inefficient marketing system			Marketing and value addition of agricultural produces			

25	Entrepreneurship development		Low profitable entrepreneurship avenues taken by RY and SHG			Entrepreneurship development			
26	Impact Assessment		Lack of study on the impact of various KVK programmes					Impact Assessment of Front Line Demonstrations undertaken by KVK, Sivasagar	
27	Agricultural technologies	All crop and enterprises	Awareness about premier technology lacking					Exhibitions : 5	

3.1 Achievements on technologies assessed and refined during 2015-16

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises/social concept

Thematic areas	Cereals	Oilseeds	Pulses	Vegetables	Flower	Tuber Crops				TOTAL
Varietal Evaluation	2			1	1					4
Seed / Plant production										
Weed Management										
Integrated Crop Management				1						1
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	1			1						2
Integrated Disease Management	1									1
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	4			3	1					8

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

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

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

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

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

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

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

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

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

A.5. Results of On Farm Testing

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/ Cropping system/ Enterprise	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 (if applicable)
1	High Yielding Submergence tolerant variety Swarna Sub1, Ranjit Sub 1 and Bahadur Sub 1	Non availability of submergence tolerant variety in flood affected area	Submergence tolerant variety Swarna Sub1, Ranjit Sub1 and Bahadur Sub1	Rice fallow	1 (Silasaku)	**Swarna Sub1** DS: 21.06.15 DT: 22.07.15 Period of submergence: 23.07.15 to 27.07.15 No of tillers after 30days: 21.5 DF: 10.10.15-15.10.15 ET: 16-18 DM: 29.11.15 PH:121.7 cm PL:24.67 cm Yield: 7.99t/ha **Ranjit Sub1** DS: 21.06.15 DT: 22.07.15 Period of submergence: 23.07.15 to 27.07.15 DF:11.10.15-17.10.15 DM: 29.11.15 PH:128.23 cm PL:26.49 cm ET: 12-18 Yield: 4.5t/ha **Bahadur Sub1:** DS:11.6.15	Yield of Swarna Sub 1 is satisfactory, grain quality and taste is very good. Ranjit Sub1 is effected by brown spot disease. Bhadur Sub1: Yield is very good, grain quality and taste is medium. Farmers are satiesfied with the production.	Yield of Swarna Sub1 is satisfactory. Ranjit Sub1was effected by brown spot disease due to which yield was decline. Bahadur Sub1 Farmers are satisfied with the production.	Swarna Sub1: 3.08 Ranjit Sub1: 1.73 Bahadur Sub1:3.16

						DT:12.7.15 Period of submergence: 23.07.15 to 27.07.15 DF:11.10.15-16.10.15 DM: 29.11.15 PH:130.4 cm PL:26.90 cm ET:16-18 Yield:8.2t/ha			
2	Performance of semi deep water rice variety KmjSH1 & KmjSH2	Poor yield of the semi deep water rice variety	HYV rice variety KmjSH1 & KmjSH2 Fertilizer dose: 40:20:20 kg $N:P_2O_5:K_2O$ /ha	Rice-fallow	01 (Hanhchora)	KmjSH1: DS: 02.7.15 DT: 14.8.15 DF:1.11.15 DM:10.12.15 PH:125.2 cm ET: 13.7 PL:28.45 cm Grain no:327.5 Yield: 4.50 t/ha KmjSH2 DS: 02.7.15 DT: 24.8.15 DF: 29.10.15 DM: 08.12.15 PH:133.1 cm ET: 10.2 PL:25.60 cm Grain no: 276.2 Yield: 2.25 t/ha		KmjSH1 Grain quality needs to be improved . Kmj SH2 Excellent grain type.	KmjSH1:1.74 KmjSH2: 0.87

3	Evaluation of Okra var. VRO -6 (Contd. From 2014-15)	Non availability of High yielding variety	Evaluation of Okra var. VRO -6	Okra	**3**	T: Plant height – 120 cm, Length of fruit-10.5 cm, Single fruit weight-11.5 g, Days to first harvest-50, Yield: 8.6 t/ha Check(Arka Anamika) : Plant height –180cm, Length of fruit-20 cm, single fruit weight- 20 g, Days to first harvest-60 Yield:6.8t/ha	Accepted by the farmers as the fruits are sleek and spineless	Variety performed well and acceptable	Tech. : 3.43:1 Check: 2.6:1
4	OFT on irrigation management in Brinjal	Cultivating the crop as rainfed leads to low yield of Brinjal	Irrigation management in Brinjal	Brinjal	2	Tech: Plant height – 75 cm, Yield: 32 t/ha Farmers practice : Plant height –60 cm, Yield: 30 t/ha	Technology is acceptable to farmer	Technology is satisfactory	Tech: 2.56:1 Farmers practice: 2.33:1
5	Evaluation of Marigold variety Seracole	Lack of high yielding variety in summer season	Evaluation of Marigold variety Seracole	Marigold	3	Ongoing	-	-	
7	Bio intensive pest management package of rice.		i) Seedling root dip treatment with *Pseudomonas fluorescens* ii) Use of trichocard iii) T-perch	Sali rice var. Mahsuri	3	Yield 3.30 ton/ha Date of sowing; 15th June,2015 Date of planting:10th July,2015 No pest has been recorded except 1% Gundhi bug at milky stage.	Technology performed well.	No pest has been recorded except 1% Gundhi bug at milky stage.	1.21: 1

						CONTROL Yield 3.04 ton /ha Date of sowing; 15th June,2015 Date of planting:15th July,2015 No pest has been recorded except 1% Gundhi bug at milky stage.			
8	Integrated pest management in brinjal fruit and shoot borer.		T1(need based): Use of pheromone trap, trichocard, neembased pesticide, neemcake. T2: Phorate/Carbofuran granule @ 2.5 g/plant at 20 days interval, Apply Deltamethrin @ 1.5 ml/lit Growing of garlic as intercrop T3 : Farmers practice	Brinjal (spring crop) var. Pusa purple round.	3		-	-	Ongoing

8	Integrated pest management in brinjal fruit and shoot borer.		**T1**(need based): Use of pheromone trap, trichocard, neembased pesticide, neemcake. **T2:** Phorate/Carbofuran granule @ 2.5 g/plant at 20 days interval, Apply Deltamethrin @ 1.5 ml/lit Growing of garlic as intercrop **T3 :** Farmers practice	Brinjal (spring crop) var. Pusa purple round.	3		-	-	Ongoing
	Evaluation of newly developed Kamrupa under	Non availability of dual purpose poultry	Rearing of Kamrupa dual purpose	backyard system	15	Age at 4th Week : 175-220 g Age at 8th Week : 400-450 g Age at 12th Week :	The growth performance is found to be satisfactory.		

	field condition of Sivasagar district	breed of higher growth rate, egg production	poultry breed in backyard system of management			625-675 g Age at 16th Week : 750-800 g Age at 20th Week : 900-950 g Age at 24th Week : 1150-1250 g Age at 28th Week : 1350-1450 g **Diseases Incidence :** Salminellosis Coccidiosis Lice infestation Ongoing			
9	Relative efficiency of the extension networks utilized by the fish producers of Sivasagar district	Inefficient marketing system	Extension networks	Fishery	100 fish producers	1. 51 per cent of the fish producers obtains information from all the sources like public, private and mass media, whereas the rest 49 per cent obtains from private and mass media only. 2. Among the regular used extension networks 53 percent of the farmers obtains information from input dealers, whereas 47 percent and 36 Percent obtains from radio broadcasting and Krishi Vigyan Kendra. 3. 89 per cent and 86 per cent of the farmers often obtains information from fellow farmers and radio 4. 82 per cent, 65 per cent, 49 per cent and 38 percent of the farmers never obtain information from farm magazines, research stations, state department and KVK.			
10	Relative performance of different group sizes of SHG on annual savings	Study on relative performance of SHG is lacking	Group sizes of SHG	SHG	30 NO. OF SHGs	*No relationship was observed between size of group on annual savings of the SHG *Annual savings depended on monthly contribution and amount of money circulated as loan the members and rate of interest *Income generating activities like poultry, broiler, piggery, goatery, weaving, mushroom production, vermicompost, dairy and fishery were adopted by 40, 3.3, 30, 86.67, 70, 36.67, 40, 6.67, 13.33 percent of the sample SHGs			

Field crops – ton/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 during 2015-16

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

List of technologies demonstrated during previous year and popularized during 2014-15 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	Winter paddy	Var. Gitesh, Ranjit	15	350	40
2	Toria	Var. TS-38	9	300	20
3	Vermicomposting using low cost enclosure	Bamboo lathe structure	15	35	-
4	Sali rice	IPM in Sali rice var. Ranjit	2	8	2
5	Toria	Honeybee pollination in toria	2	10	0.4
6	Mushroom	Oyster mushroom production technology	4	40 (4 SHG)	-
7	Poultry	Dual Type Backyard Poultry Var. Vanaraja	12	30	2500 nos

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ ST	Others	Total			N	P	K
1	Toria	Premier variety, INM	Var. TS-38 Azotobacter PSB	Rabi 2015	20	20	20	23	43	-	Rainfed, Inceptisol	426.5	59.08	38.04
2	Blackgram	Premier variety, INM	Var. IPU-94-1		10	10	10	3	13	-	Rainfed, Inceptisol	376.32	15.85	104.03
3	Lentil	Premier variety, INM	PL-406		10	10	2	17	19	-	Rainfed, Inceptisol	338.69	23.04	84.54
4	Pea	Premier variety, INM	Rachna		5	5	5	7	12	-	Rainfed, Inceptisol			
5	Oat	Fodder seed production	Var. Kent	Nov-Dec, 2015	1	1	0	21	21	-	Raifed, Medium land	329	53.1	501.2
6	Pumpkin	Vegetable production	Demonstration on Pumpkin var. Arjuna	Rabi,2015	1	1	-	3	3	-	Rainfed,	250.88 338.69	11.05 20.65	54.30 52.28

			F1											
7	Tuberose	Flower production	Popularization of Tuberose var. Calcutta Double	Rabi,2015	1	0.25	-	3	3	-	Rainfed,	329.00 210.10	53.10 33.50	501.2 247.44
8	Rice	Integrated pest management	Integrated pest management in Sali rice.	Kharif, 2015	2 ha	2 ha	-	8	8		Rainfed,	210.1 275.97	33.5 59.08	247.44 239.10
9	Toria	Beneficial insect	Honeybee pollination in toria	Rabi, 2015-16	4.5 bigha	4.5 bigha	4	6	10		Rainfed	426.5 325.5	59.08 48.82	38.04 479.22
10	Oyster mushroom	Beneficial organism	Oyster mushroom production technology	Rabi, 2015-16	16 kg spawn	10 kg spawn	-	40	40		Indoor crop	-	-	-

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha)	Avg. yield (Q/ha)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	Toria	Varietal evaluation, INM	20	9.62	Nil	-	9.7	9.56			22100	38480	16380	1.74				
2	Blackgram	Varietal evaluation, INM	10	10.5	Nil	-	11	10	Pest incidence 5%		21450	84000	62550	3.92				
3	Lentil	Varietal evaluation, INM	10	Crop damage due to hail storm														
4	Pea	Varietal evaluation, INM	5	10.86	Nil		10.51	11.20			24160	76020	51860	3.14				
5	Pumpkin Var. Arjuna F1 (contd. From 2014-15)	Vegetable production	1.0	120	65.5	83	145	105	No.of fruit/splant:6 Avg. fruit weight: 3 .8 kg Days to flowering:103 Days to harvest: 130 Rotting of fruit at ripening stage	No. of fruits /plant: 3 Avg.fruit weight: 2.1 kg Days to flowering: 98 days Days to harvest: 135 Nil	33,706	2,40,000	2,06,294	5.34	27,500	1,31,000	1,03,500	4.76

6	Pumpkin Var. Arjuna F1	Vegetable production	1.0	At fruiting stage, No. of fruits/plant-12, avg . wt. of fruit :3.8 kg, Days to flowering:103 days													
7	Tuberose, Var. Calcutta Double	Flower production	0.25	Ongoing													
8	Sali rice	Integrated pest management	2 ha	14.25	12	1.19	15	13.5	Pest incidence 0.4%	Pest incidence 0.7%	43,832.50	92,400.00	48,568.00	2.1:1	39598.00	78568.00	38970.00	1.98:1
9	Toria	Beneficial insect	2.67 ha	11.4	9	1.26	12.19	10.6	Pest incidence 0.20%	Pest incidence 0.24%	20,900	45600	26200	2.18:1	18509	33000.00	14491.00	1.78:1
10	Oyster mushroom	Beneficial organism	10 kg spawn	2300 gm/bead	2000gm/bead	15	2400gm/bead	2200gm/bead	nil	nil	Rs 50/bead	Rs 350/bead	Rs 300/ bead	7.0:1	Rs 40/bead	Rs 250	Rs 210	6.2

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days						
	Paddy (Technology Showcasing)	1	13.11.15	62	-	62	
	Paddy(pp)	2	19.11.15 21.11.15	43	14	57	
	Blackgram	1	18.12.15	2	54	56	
	Toria	2	22.12.15, 27.02.16	58	20	78	
	Lentil	1	04.03.16				
2	Farmers Training						
	Paddy (Technology Showcasing)	1	29.05.15	35	-	35	

	Blackgram	1	18.12.15	2	54	56	
	Toria	1	22.12.15	28	0	28	
3	Media coverage						
	320 soil health cards provided to farmers on World Soil Day	1	06.12.15				The Sentinel
	KVK's guidance yield profit for farmers in Sivasagar district	1	27.11.15				Assam Tribune
	Farmers scientist interaction held at Charing: KVK initiative	1	28.11.15				Dainik Janambhumi
	World soil day celebrated at KVK, Sivasagar: Soil health card distributed to 320 farmers	1	09.12.15				Asomiya Pratidin
	Dihingmukh Sparkling with yellow flowers	1	19.01.16				Asomiya Pratidin
	Crop revolution at Dihingmukh, Bhekuri Chapori by unemployed missing youths.	1	20.01.16				Asomiya Khabar
	Success of missing youths of Sivasagar under the guidance of KVK, Sivasagar	1	17.01.16				Niyamia Barta
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Group discussion under Technology Showcasing	1	20.05.15	17	01	18	
	Total						

e. Details of FLD on Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR**	GC	GR	NR	BCR	
	Pig	Breed improvement	1	3	3	9	body weight at 3 month : 15 Kg body weight at 5 month : 27-30 Kg body weight at 7 month : 42-45 Kg body weight at 9 month : 52-55 Kg body weight at 9 month : 57-62 Kg body weight at 11 month : 68-70 Kg Average age at first heat : 290 days	body weight at 3 month : 10 Kg body weight at 5 month : 20-22 Kg body weight at 7 month : 30-32 Kg body weight at 9 month : 38-40 Kg body weight at 9 month : 45-47 Kg body weight at 11 month : 53-55 Kg Average age at first heat : 310 days	average change 15-20 % in all parameters	Diseases incidence : Diarrhoea, mange infestation	Diseases incidence : Diarrhoea, mange infestation	7500.00	8400.00	9000	0.12:1	6000.00	6600.00	6000	0.1:1	

**** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio Produce Sale Price must be as per MSP or Registered Marketing Society Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC *Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.***

(iii) Fisheries

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	

*** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio*

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

(iv) Other enterprises

Sl. No.	Category / Enterprise,	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Mushroom	Beneficial organism.	Oyster mushroom production technology	40	4	Yield Pest/disease resistance					Rs 50/bead	Rs 350/bead	Rs 300/bead	7.0:1	Rs 40/bead	Rs 250	Rs 210	6.2	
2	Apiculture	Beneficial insect	Honey bee pollination in toria.	10	3	Yield of toria. Production of honey/ bee colony					20,900	45600	26200	2.18:1	18509	330000	14491.00	1.78:1	

						. Increased toria yield after honey bee pollination.													
3	Vermicompost	Production of organic inputs	1	30	40	60q/enclosure					21500	6000/enclosure	38500	2.79					

***** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

(v) Farm Implements and Machinery

Sl. No.	Name of implement	Crop	Name of Technology demonstrated	No. of farmers	Area (In ha.)	Field observation (Output/ man-hours)		% change in the parameter	Labour reduction (Man days)	Cost reduction (Rs. per ha. or Rs. per unit etc.)	Remarks
						Demo	Check				

f. Performance of FLD on Crop Hybrids

Sl. No.	Crop	Name of hybrids	Area (ha.)	No. of farmers	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)			
					Demo.	Check		H+	L+	GC**	GR**	NR**	BCR **	GC	GR	NR	BCR

H-Highest recorded yield, L- Lowest recorded yield ** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

g. Details of FLD under Social Science

Sl. No.	*Title of FLD*	*Thrust Area*	*No. of Location*	*No. of farmers*	*Activities*	*Parameters*	*Value*
1	Farm records and account keeping	Financial Management	5	100	#One booklet on farm records is prepared and distributed among 100 farmers #Farmers were trained on farm records and account keeping	Information on the parameters will be collected next year	
2	Participatory video making on scientific oyster mushroom production by SHG members and demonstration	Participatory video making	2	51	#Video on oyster mushroom production by SHG members is prepared #video show conducted at two locations # Gain in knowledge and change in attitude was observed after the video show #Adoption of the technology will be observed in the next production season	1.Gain in knowledge:	64.23 percent
						2.Change in attitude	
						Changed from non- edible to edible	10 per cent
						Changed from Tough production procedure to simple	38 per cent
						Changed from Capital intensive to capital non-intensive	26 per cent
						Changed from Requiring more land to less land required	18 per cent
						Changed from reluctance to produce mushroom to interested to produce	24 per cent

Extension and Training activities under FLD on Social Sciences

Sl.No.	Activity	No. of activities organised	Date	Number of participants		
				Gen	SC/ST	Total
1	Training	5	21.12.15	20	-	20
			29.12.15	18	2	20
			26.02.16	20	-	20
			29.02.16	19	1	20
			07.03.16	25	-	25
2	Video show	2	06.04.16	25	1	26
			07.04.16	25	-	25
3	Training manual	1	-	-	-	-
4	CD/ DVD	1	-	-	-	-

3.3. Achievements on Training

3.3.1. Farmers and Farm Women in On Campus including Sponsored On Campus Training Programmes

(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog			Participants																			
				General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total		Grand Total (x + y)
	On-Campus (1)	Spon On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
I. Crop Production																							
Weed Management																							
Resource Conservation Technologies																							
Cropping Systems																							
Crop Diversification																							
Integrated Farming																							
Water management																							
Seed production																							
Nursery management																							
Integrated Crop Management																							
Fodder production																							
Production of organic inputs																							
II. Horticulture																							
a) Vegetable Crops																							
Production of low volume																							

and high value crops																						
Off-season vegetables																						
Nursery raising	1	-	1	6	-	21	-	27	-	-	-	-	-	-	-	6	-	21	--	27	-	27
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques	1	-	1	-	-	26	-	26	-	-	-	-	-	-	-	-	-	26	-	26	-	26
c) Ornamental Plants																						
Nursery																						

Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					
III Soil Health and Fertility Management																					

Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen																						

gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of																						

micro irrigation systems																					
Use of Plastics in farming practices																					
Production of small tools and implements																					
Repair and maintenance of farm machinery and implements																					
Small scale processing and value addition																					
Post Harvest Technology																					
VII Plant Protection																					
Integrated Pest Management																					
Integrated Disease Management																					
Bio-control of pests and diseases																					
Production of bio control agents and bio pesticides																					
VIII Fisheries																					
Integrated fish farming																					
Carp breeding and hatchery management																					
Carp fry and fingerling rearing																					

Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of																						

fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	**2**	**0**	**2**	**6**	**0**	**47**	**0**	**53**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**0**	**47**	**0**	**53**	**0**	**53**

3.3.2. Achievements on Training of Farmers and Farm Women in Off Campus including Sponsored Off Campus Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prg.			Participants																		Grand Total
	Off	Sp Off*	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	3		2	55	0	10	0	65	0	15	0	5	0	20	0	35	0	15	0	50	0	85
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Production of organic inputs																						
II. Horticulture																						

a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of																						

orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology	1	-	1	10	-	15	-	25	-	-	-	-	-	-	-	10	-	15	-	25	-	25

Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation	1	0	4	0	0	0	4	0	20	0	3	0	23	0	24	0	3	0	27	0	27	27
Integrated Nutrient Management																						
Production and use of organic inputs	1	0	1	19	0	6	0	25	0	0	0	0	0	0	19	0	6	0	25	0	25	25
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency	1	0	1	19	0	9	0	28	0	0	0	0	0	0	19	0	9	0	28	0	28	28
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management	1		1	0	0	34	0	34	0	0	0	0	0	0	0	0	0	34	0	0	0	34
Poultry Management																						

Piggery Management	1		1	16	0	9	0	25	0	0	0	0	0	0	0	16	0	9	0	16	9	25
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						

Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						

Integrated Pest Management	2		2	20		26		46		3			4	7		23		30		53		53
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						

Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						

Leadership development																						
Group dynamics	-	1	1	-	29	-	10	-	39	-	2	-	-	-	2	-	31	-	10	-	41	41
Formation and Management of SHGs	2	-	2	11	-	36	-	47	-	5	-	7	-	12	-	16	-	43	-	59	-	59
Mobilization of social capital																						
Entrepreneurial development farmers/youths																						
WTO and IPR issues																						
Financial management of agricultural farms	9	-	9	181	-	42	-	223	-	5	-	-	-	5		81	-	42	-	123	-	351
Marketing and value addition of agricultural produces	2	-	2	38	-	24	-	62	-	-	-	-	-	-		38	-	24	-	62	-	62
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	**24**	**1**	**27**	**369**	**29**	**211**	**14**	**580**	**59**	**28**	**5**	**12**	**27**	**44**	**64**	**219**	**49**	**212**	**90**	**388**	**130**	**815**

(B) RURAL YOUTH

3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes
(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ Prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production	1	0	1	20	0	5	0	25	0	0	0	0	0	0	0	20	0	5	0	25	0	25
Production of organic inputs	2	0	2	2	0	20	0	22	0	0	0	0	0	0	0	2	0	20	0	22	0	22
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of																						

orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing	1	0	1	1	0	24	0	25	0	0	0	0	0	0	0	1	0	24	0	25	0	25
Quail farming																						
Piggery	1	0	1	5	0	34	0	39	0	0	0	0	0	0	0	5	0	34	0	5	34	39
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						

TOTAL	5	0	5	28	0	83	0	111	0	0	0	0	0	0	0	28	0	83	0	77	34	111

3.3.4. Achievements on Training of Rural Youth in Off Campus including Sponsored Off Campus Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture	2	0	2	33	0	3	0	36	0	6	0	4	0	10	0	39	0	7	0	46	0	46
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						

Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
Marketing and value addition	1	-	1	29	-	10	-	39	-	2	-	-	-	2	-	32	-	10	-	41	-	41
Entrepreneurship	1	-	1	16	-	10	-	39	-	2	-	-	-	2	-	32	-	10	-	41	-	41

development																						
TOTAL	**4**	**0**	**4**	**78**	**0**	**23**	**0**	**114**	**0**	**10**	**0**	**4**	**0**	**14**	**0**	**103**	**0**	**27**	**0**	**128**	**0**	**128**

C. Extension Personnel

3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes
(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of																						

farm machinery and implements																					
WTO and IPR issues																					
Management in farm animals																					
Livestock feed and fodder production	1	0	1	30	0	1	0	31	0	0	0	0	0	0	0	30	0	1	0	31	0	31
Household food security																					
Women and Child care																					
Low cost and nutrient efficient diet designing																					
Production and use of organic inputs																					
Gender mainstreaming through SHGs																					
Total	**1**	**0**	**1**	**30**	**0**	**1**	**0**	**31**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**30**	**0**	**1**	**0**	**31**	**0**	**31**

3.3.6. Achievements on Training of <u>Extension Personnel</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						

Rejuvenation of old orchards																						
Protected cultivation technology																						
Production technology of Fruits	1	-	1	25	-	-	-	25	-	-	-	-	-	25	-	25	-	-	-	25	-	25
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic																						

inputs																						
Gender mainstreaming through SHGs																						
TOTAL	**1**	**-**	**1**	**25**	**-**	**-**	**-**	**25**	**-**	**-**	**-**	**-**	**-**	**25**	**-**	**25**	**-**	**-**	**-**	**25**	**-**	**25**

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

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Horticulture	Vegetable production	Nursery raising of vegetables	23.10.15	1	KVK,Sivasagar	Farmer and Farm Women	6	21	27	-	-	-	6	21	27
	Fruit production	Propagation technique of fruit crops	10.03.15	1	KVK,Sivasagar	Farmer and Farm Women	-	26	26	-	-	-	-	26	26
Soil Science	Production of organic inputs	Production of organic inputs including vermicompost	28.12.15	1	-do-	RY	2	8	10	0	0	0	2	8	10
	Production of organic inputs	Production of organic inputs including vermicompost	10.01.16	1	-do	RY	0	12	12	0	0	0	0	12	12

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Farmer & Farm women/ RY/ EP and NGO Personnel	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Seed production and certification	Quality seed production of rice and certification procedure	29.05.15	1	Nirmalia	Farmers and farm women	33	5	38	0	0	0	33	5	38
			1/3/16-2/3/16	2	Mezenga	Farmers & Farm women	15	3	18	5	2	7	20	5	25
			3/3/16-4/3/16	2	Sonari	Farmers & Farm women	14	5	19	3	3	6	17	8	25
		Quality seed production in pulse crop(green gram and blackgram) and storage.(1)	9/3/16-10/3/16	2	Lakuwa	Rural Youth	19	6	25	-	-	-	19	6	25
Horticulture	Fruit production	Improved production technology of Banana	10.02.16	1	Office of DAO, Sivasagar	EF	25	-	25	-	-	-	25	-	25
	Spice production	Scientific ginger and turmeric cultivation	11 .03.16 & 12.03.16	2	Mezenga	Farmer and farm women	10	15	25	-	-	-	10	15	25
Soil Science	Soil and water conservation	Soil and water conservation	07.01.16	1	Bhekuri Chapori	PF	4	0	4	20	3	23	24	3	27

	FUE	Principles of fertilizer use for increasing its efficiency	27.01.16 and 28.01.16	2	Himpara	PF	19	9	28	0	0	0	19	9	28
	Production of organic inputs	Vermicomposting and vermiculture	15.03.16	1	Rupohipam	RY	24	0	24	0	0	0	24	0	24
			17.03.16	1	Hologuri	RY	9	3	12	6	4	10	15	7	22
		Production of organic inputs including vermiculture	27.03.16	1	Chotianagurie	PF	19	6	25	0	0	0	19	6	25
Plant Protection	Integrated pest management	Integrated pest management in kharif vegetables	04.08.15	1	Sonari	Farmers & Farm women	4	17	21	1	3	4	5	20	25
		Integrated pest management in kharif vegetables	13.10.15	1	Panbesa	Farmers & Farm women	20	5	25	-	-	-	20	5	25
		Integrated pest management in Sali rice.	19.02.16	1	Nazira	Farmers & Farm women	11	7	18	3	4	7	14	11	25
		Integrated pest management in Sali rice.	20.02.16	1	Chantak	Rural youth	10	7	17	3	5	8	13	12	25
		Integrated pest management in kharif vegetables.	29.03.16	1	SDAO, Amguri	Extension functionary	15	2	17	2	1	3	17	3	20

		Integrated pest management in kharif vegetables	30.03.16	1	Haripar Ali	Rural youth	13	5	18	6	1	7	19	6	25
Agril. Economics	Marketing and value addition	Marketing and value addition of agricultural produces	30.7.15	1	Sonari	RY	25	-	25	-	-	-	25	-	25
	Financial management	Financial management of agricultural farms	26.09.15	1	Kochupat har	Farmer & Farm women	24	8	32	-	-	-	24	8	32
	Financial management	Financial management of agricultural farms	30.10.15	1	Hanhchar a	Farmer & Farm women	6	27	33	-	-	-	6	27	33
	Group Dynamics	Joint Liability group concepts	8.12.15	1	Nazira	NGO Personnel	29	10	39	2	-	2	31	10	41
	Financial management	Farm records and account keeping	21.12.15	1	Kochupot har	Farmer & Farm women	20	0	20	0	0	0	20	0	20
	Financial management	Farm records and account keeping	29.12.15	1	Demow	Farmer & Farm women	13	5	18	2	0	2	20	0	20
	Financial management	Financial management of agricultural farms	05.01.16	1	Demow	Farmer & Farm women	19	4	23	2	-	2	21	4	25
	Marketing and value addition	Marketing and value addition of agricultural produces	18.01.16	1	Himapara Kochupat har	Farmer & Farm women	17	19	36	-	-	-	17	19	36
	Financial management	Farm records and account keeping	26.02.16	1	Hanhchar a	Farmer & Farm women	19	1	20	0	0	0	19	1	20
	Financial management	Farm records and account keeping	29.02.16	1	Gaurisaar	Farmer & Farm women	19	0	19	1	0	1	20	0	20

	Financial management	Financial management of agricultural farms	05.03.16	1	Charing	Farmer & Farm women	30	3	33	-	-	-	30	3	33
	Financial management	Farm records and account keeping	07.03.16	1	Charing	Farmer & Farm women	23	2	25	-	-	0	23	2	25
	Formation and management of SHGs	Income generating activities for economic empowerement of women SHGs	11.03.16	1	Rudryakhapam	Farmer & Farm women	-	21	21	-	5	5	-	26	26
	Marketing and value addition	Marketing and value addition of agricultural produces	16.03.16	1	Rupohiba m	Farmer & Farm women	21	5	26	-	-	-	21	5	26
	Formation and management of SHGs	Income generating activities for economic empowerement of women SHGs	17.03.16	1	Sepon	Farmer & Farm women	11	15	26	5	2	7	16	17	33
	Entrepreneurship development	Entrepreneurship development	29.03.16 to 30.3.16	2	Nitaipukhuri	RY	16	10	26	-	-	-	16	10	26

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	

Mushroom	19.01.16 to 22.01.16	4	Mushroom production	Entrepreneurship development through mushroom production technology	5	15	20				5	15	20		5	25		No
Piggery	4th to 11th January, 2016	7	Commercial pig farming	Commercial pig farming	18	9	27	0	0	0	18	9	27	Pig farming				No

*training title should specify the major technology /skill transferred

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From- To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
Off	NGO Personnel	8.12.15	1	Agril. Economics	Group Dynamics	Joint Liability group concepts	29	10	39	2	-	2	31	10	41	NABARD	8000
Total							**29**	**10**	**39**	**2**	**-**	**2**	**31**	**10**	**41**		**8000**

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) during 2015-16

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	Advisory services			60	27	17	44	11	5	16	0	0	0	38	22	60
2.	Diagnostic visit	Blackgram Betal vine, hot chilli,arecanut, broiler, goatery, papaya, coconut, Assam lemon, mushroom, vermicompost, toria**,** Lentil	21.11.15 05.07.15, 09.07.15, 11.09.15, 17.09.15, 21. 10.15, 23.10.15, 04.11.15, 14.11.15, 19.11.15, 11.1.16, 14.01.16, 21.01.16, 22.01.16, 02. 02.16, 03.02.16 11.02.16,	18	11	05	16	35	7	42	0	0	0	46	12	58
3.	Field day	Paddy (Technology Showcasing)	13.11.15	7	51	11	62	0	0	0	02	0	02	53	11	64
		Paddy(pp)	19.11.15 21.11.15		23	20	43	11	4	14	0	0	0	34	24	57
		Blackgram	18.12.15		2	0	2	49	5	54	0	0	0	51	5	56
		Toria	22.12.15,		23	5	28	0	0	0	0	0	0	23	5	28
			27.02.16		16	14	30	20	0	20	0	0	0	36	14	50
		Lentil	04.03.16		21	05	26	0	0	0	0	0	0	21	05	26
4.	Group Discussion	Certified seed production of	20.05.15	4	17	0	17	01	0	01	0	0	0	18	0	18

		paddy														
		Cluster demonstration on rabi pulses	07.09.15		02	0	02	11	0	11	0	0	0	13	02	15
		Cluster demonstration on rabi pulses	14.09.15		11	0	11	0	0	0	0	0	0	11	0	11
		Cluster demonstration on rabi oilseed	9.09.15		7	0	7	11	03	14	0	0	0	18	3	21
5.	Kishan Gosthi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.	Kishan Mela	Pre-kharif Workshop	13.07.15	1	30	43	73	6	2	8	5	0	5	41	45	86
7.	Film show	Mushroom Production	06.04.16	1	20	5	25	1	0	1	0	0	0	21	5	26
			07.04.16	1	22	3	25	0	0	0	0	0	0	22	3	25
8.	SHG formation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.	Exhibition	Exhibition on occasion of pre-rabi campaign	05.12.15	5	114	30	144	16	0	16	3	0	3	133	30	163
		On occasion of Jai kisan Jai Vigyan	30.12.15		64	12	76	0	0	0	0	0	0	64	12	76
		Exhibition at Srimanta Sankardev Sangh meeting	04.02.16 to 07.02.16		170	37	207	12	6	18	0	0	0	182	43	225
		At district level exhibition and Krisok mela organized by ATMA	18.02.16 to 20.02.16		23	12	41	0	0	0	0	0	0	23	12	41
		At Maha Rajat Jayanti of Charing Radhakanta	18.03.16 to 20.03.16		68	19	87	0	0	0	0	0	0	68	19	87

		Phukon H.S. School														
10.	Scientists visit to farmers fields			35	21	17	38	11	15	26	0	0	0	32	32	64
11.	Plant/ Animal Health camp															
12.	Farm science club															
13.	Ex-trainee Sammelan	Sharing experiences	01.01.16	1	58	60	118	2	1	3	0	0	0	60	61	121
14.	Farmers seminar/ workshop															
22	Method demonstration	Fertilizer application in coconut	18.12.15	7	0	0	0	9	0	9	0	0	0	9	0	9
		Fertilizer application in coconut	07.01.16		2	0	2	10	0	10	0	0	0	12	0	12
		Vermicompost production	07.1.16		2	0	2	10	0	10	0	0	0	12	0	12
		Mushroom production	15.01.16		19	4	23	2	0	2	0	0	0	21	4	25
		Vermicompost production	28.01.16		11	10	21	0	0	0	0	0	0	11	10	21
		Vermicompost production	11.03.16		0	21	21	0	5	5	0	0	0	0	26	26
		Vermicompost production	17.03.16		10	16	26	5	2	7	0	0	0	15	18	33
23	Celebration of important days	World Environment day	05.06.15	5	44	69	111	0	0	0	0	0	0	44	69	111
		World soil day	05.12.15		148	26	174	12	0	12	6	2	8	166	28	194
		Jai Kisan Jai Vigyan Diwas	23.12.15		3	13	16	0	0	0	0	0	0	3	13	16
			24.12.15		0	15	15	0	0	0	0	0	0	0	15	15
		International Women's day	08.03.16		0	13	13	0	1	1	0	0	0	0	14	14
24	Exposure visits	To FRC, AAU,	10.07.15	3	11	2	13	0	0	0	1	0	1	12	2	14

		Jorhat															
		RARS, Titabar	06.11.15		8	25	33	0	0	0	0	0	0	8	25	33
		To Mushroom producers on occasion of vocational training on oyster mushroom production	21.01.16		6	14	20	0	0	0	0	0	0	6	14	20
1.	Electronic media (CD/DVD)	Oyster mushroom production by SHG members		1												
2.	Extension literature			5												
3.	Newspaper coverage	320 soil health cards provided to farmers on World Soil Day	06.12.15	7												
4.		KVK's guidance yield profit for farmers in Sivasagar district	27.11.15													
5.		Farmers scientist interaction held at Charing: KVK initiative	28.11.15													
6.		World soil day celebrated at KVK, Sivasagar: Soil health card distributed to 320 farmers	09.12.15													
7.		Dihingmukh Sparkling with yellow flowers	19.01.16													
		Crop revolution at Dihingmukh,	20.01.16													

		Bhekuri Chapori by unemployed missing youths.															
8.		Success of missing youths of Sivasagar under the guidance of KVK, Sivasagar	17.01.16														
9.	Popular articles																
10.	Radio talk	Animal husbandry	23.04.15	6													
		Importance of green vegetables and their management practices	23.05.15														
		The ill-effects of injudicious use of agrochemicals	29.05.15,														
		Production technology of green vegetables	28.07.15														
		Problems and Prospects of agriculture as a source of self employment	28.01.16														
		Integrated crop management in Coconut	01.03.16,														
11.	TV talk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.	Training manual	Handbook on Farm records		1													
13.	Soil health camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

14.	Awareness camp		30.12.15	1	59	5	64	1	1	2	5	0	5	65	7	72
15.	Lecture delivered as resource person	Scientific poultry production	09.05.15	6	0	25	25	0	0	0	0	0	0	0	25	25
		Scientific poultry production	12.05.15		2	25	27	0	0	0	0	0	0	2	25	27
		Double cropping	02.05.15		41	1	42	2	0	2	0	0	0	43	1	44
		Participatory evaluation of farming systems	22.07.15		15	0	15	10	0	10	0	0	0	25	0	25
		Current trend in agriculture w.r.t. economy of small and marginal farmers	23.07.15		15	02	17	10	0	10	0	0	0	25	02	27
		Establishment of scientific bari system, analysis of existing one and strategy to generate additional income through horticulture	20.07.15		11	07	18	3	5	8	0	0	0	14	12	26
16.	PRA		22.12.15 15.3.16 29.3.16 9.3.16	4	118	43	161	10	3	13	-	-	-	128	46	174
17.	Farmer-Scientist interaction	Problems of crops, livestock,	20.11.15	1	57	5	62	0	0	0	2	0	2	58	5	63
			11.02.15	1	39	1	40	0	2	2	2	0	2	41	3	44

		fishery sector and their solution														
18.	Soil test campaign		23.11.15, 05.01.16, 18.01.16 15.02.16, 16.02.16, 17.02.16, 18.02.16, 17.11.15, 07.03.16, 5.03.16, 09.03.16 11.03.16 15.03.16, 16.03.16, 17.03.16,	15	89	17	106	44	15	59	-	-	-	133	32	165
19.	Mahila Mandal Convener meet															
20.	Any other (Please specify)															
	Fertility camp cum calf rally		08.04.15, 28.04.15, 30.04.15, 20.05.15, 23.05.15	5												
Grand Total				**202**	1511	674	2189	325	82	406	26	2	28	1861	761	2625

3.5 Production and supply of Technological products during 2015-16

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	Ranjit	15.58	51414			
OILSEEDS	Toria	TS-38	2.05	13360			
PULSES							
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2015-16

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS					
	Paddy (Var. Ranjit)	0.9	29700			**In stock**
	Var. Gitesh	0.34	11220			**In stock**
	Paddy (Var. Ranjit)	36.0	11,88,000			**Ready to be lifted**
	Paddy (Var. Gitesh)	38.0	12,54,000			**-do-**
2	OILSEEDS					
	Toria Var. TS-67	0.35	22750			In stock
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		**1.59**	**63670**			

B. Production of Planting Materials (Nos. in lakh)

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Fruits							
Spices							
Ornamental Plants							
VEGETABLES							
Forest Spp.							
Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)							

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2015-16

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits					
2	Spices					
3	Ornamental Plants					
4	VEGETABLES					
5	Forest Spp.					
6	Medicinal plants					
7	Plantation crops					
8	OTHERS (Specify)					
TOTAL						

C. Production of Bio-Products during 2015-16

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOAGENTS								
BIOFERTILIZERS								
BIO PESTICIDES								

C1. SUMMARY of production of bio-products during 2015-16

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS							
2	BIO FERTILIZERS							
3	BIO PESTICIDE							
	TOTAL							

D. Production of livestock during 2015-16

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	Cattle/ Dairy							
2	Goat	Beetal	1		In stock			
3	Piggery	T & D	31		77500			
4	Poultry	Khaki Campbell	8		2400			
5		Vanaraja		24	4320			
6	Fisheries							
7	Others (Specify)							
	Total		40	24	84220			

D1. SUMMARY of production of livestock during 2015-16

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE							
2	SHEEP & GOAT	Beetal	1		In stock			
3	POULTRY	Khaki Campbell	8		2400			
		Vanaraja		24	4320			
4.	PIGGERY	T & D	31		77500			
5	FISHERIES							
6	OTHERS (Pl. specify)							
	TOTAL							

3.6. Literature Developed/Published (with full title, author & reference) during 2015-16

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

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.	Analysis of benefit-cost (B:C) ratio of *Vanaraja* and Local chicken of Assam under backyard system of rearing. *Journal of Research in Agriculture and Animal Science.* **3 (7)**:07-10.	Islam, R.; Nath, P.; Bharali, A. and Borah, R.	
2.			
3.			
Training manuals	*Krikhipamor tothyopati rokhyonor hatputhi*	Saikia, T.; Nath, P. ;Saud, R.K. and Hazarika, J.P.	100
Technical Report			
1.			
Book/ Book Chapter	Integrated Nutrient Management *(Xomonnita Udvid Pustimoulo Byobosthapona) In:* *Krishikhondot Atmonijukti : Projuktikouxol* Edited by Dr. M. Neog, Dr. M. K. Sarma and Dr. H.K. Bhattacharyya. pp. 115-119	Borah, R.	
Popular articles			
Technical bulletins			

Extension bulletins	Scientific production of toria	Dutta, P.; Borah, R.; Saikia, T. and Nath, P.	
	Scientific cultivation of blackgram	Dutta, P.; Borah, R.; Saikia, T. and Nath, P.	
	Scientific cultivation of lentil	Dutta, P.; Borah, R.; Saikia, T. and Nath, P.	
	Scientific cultivation of pea	Dutta, P.; Borah, R.; Saikia, T. and Nath, P.	
Newsletter			
Conference/ workshop proceedings			
Leaflets/folders			
e-publications			
Any other (Pl. specify)			
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

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1	Oyster mushroom production by SHG members	Assamese- 10 numbers English- 10 numbers	Oyster mushroom production by SHG members

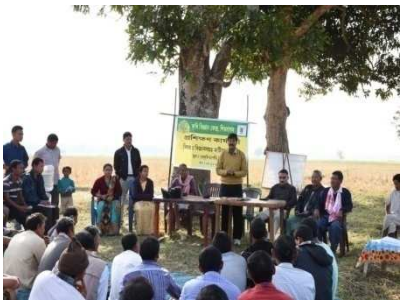
3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

Converting dreams into reality : the youths of Bhekuri Chapori has done it

Bhekurichapori, Sesamukh – a hamlet situated at 85 km from Sivasagar via Demow and Nitaipukhuri is inhabited by about 50 families of the Mising tribe. Agriculture is the mainstay of the villagers of Bhekurichapori. The location of the village is in the confluence of the rivers Sesa, Dihing and the mighty Brahmaputra. This has become both a boon and a curse for the village. The occurrence of flood in the village is a regular phenomenon natural calamity. Traditionally Mising people are accustomed to such situations and the principal crops are deep water rice in *kharif* season. *Rabi* season is hence the main season of cultivation of majority of crops toria, blackgram, pea, *rabi* vegetables like tomato, brinjal, potato, pumpkin and cole crops. The potential of the area in promoting was first identified during a soil test campaign of SMS (Soil Science) of KVK, Sivasagar.

Subsequently, a benchmark survey was conducted wherein it came to the picture that the village has a large number of youth engaged in farming. Targeting the youths, few programmes of the Action Plan of KVK, Sivasagar were diverted to this village. This included cluster demonstration of toria in 14 ha and blackgram in 4 ha.

Bench-mark survey



Identification of FLD area

Extensive training programme

The area was previously cultivated with non descript local varieties characterized by low yields. The participatory seed production programme was conducted in the year 2014-15 with the varieties IPU-94-1 in the *Kharif* season and KU-301 in the *Rabi* season. A total of 8 farmers were involved in the programme with an increased productivity of 5.63 q/ha.

Cluster FLD on blackgram

Field day on blackgram

Cluster FLD on toria

Soil sample collection

Promising harvest

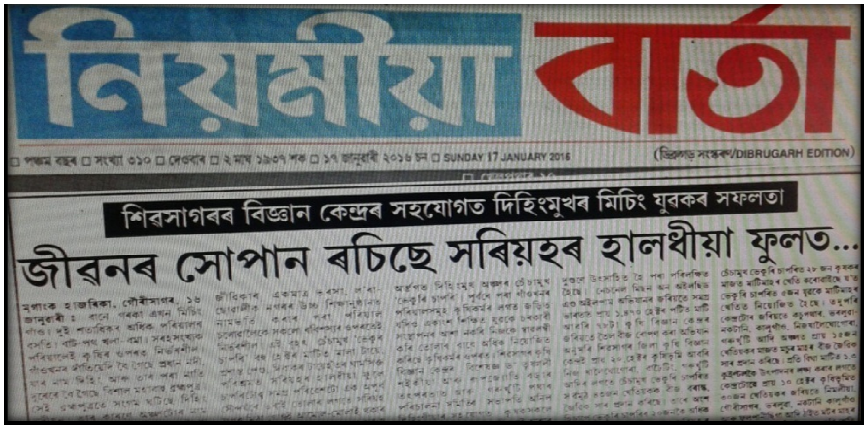
Visit of dignitaries

Soil test campaign was also conducted in the area and soil health cards were provided to 40 farmers of the village. Extensive training was conducted in the area on various agricultural fields including vermicompost production, *rabi* vegetables and contingency crop planning during the *Kharif* season. The jump in the productivity of these crops attracted another 11 farmers to take up blackgram cultivation under cluster demonstration this year. In addition, cluster demonstration on toria (var. TS-38) was also undertaken in an area of 14 ha involving 28 farmers. A bumper crop with a productivity of 9.66 q/ha, much higher than the district average of 4.94 q/ha (2012-13). The toria was cultivated using organic inputs including vermicompost and the B:C ratio obtained was 1.74. This success greatly encouraged the farmers of the area who are now willing to take up the cultivation of toria and blackgram with new varieties from the next year. Media also gave a wide coverage of their success to the area for their exemplary success. Krishi Vigyan Kendra, Sivasagar wish the youths to tread on similar roads with bountiful crop in the years to come.

কৃষি বিজ্ঞান কেন্দ্ৰৰ সহযোগত যুৱক-যুৱতীৰ উৎসাহী পদক্ষেপ

হালধীয়া ফুলেৰে জিলিকিছে দিহিংমুখ

শংকৰজ্যোতি শইকীয়া ঃ গৌৰীসাগৰ, ১৮ জানুৱাৰী ঃ কৃষি অবিহনে যেনেকৈ সভ্যতাৰ সৃষ্টি নহয় তেনেদৰে কৃষক অবিহনে সমাজ কেতিয়াও গঢ় লৈ নুঠে। বিজ্ঞান আৰু প্ৰযুক্তিবিদ্যা যিমানেই শিখৰলৈ নাযাওক কিয় কৃষিকৰ্মৰ গুৰুত্ব সদায়েই অনস্বীকাৰ্য। বিভিন্ন প্ৰতিকূলতা, প্ৰাকৃতিক দুৰ্যোগ, জনসংখ্যা বৃদ্ধি, চৰকাৰৰ কৃষকৰ প্ৰতি অৱহেলা আদি বিভিন্ন কাৰকে দিনকদিনে কৃষিকৰ্মৰ প্ৰতি কৃষকৰ বিৰাগ জন্মালেও শিৱসাগৰ জিলাৰ দিহিংমুখৰ এচাম শিক্ষিত যুৱক-যুৱতীয়ে কোনো চৰকাৰী নাইবা বহুজাতিক প্ৰতিষ্ঠানৰ চাকৰিৰ পাছত নিজৰ সময় নষ্ট নকৰি সৰিয়হৰ খেতিৰে অৰ্থনৈতিকভাৱে স্বাৱলম্বী হোৱাৰ প্ৰচেষ্টা অব্যাহত ৰাখিছে। নেশ্যনেল মিছন অন অইল ছীড এণ্ড অইলপাম অভিযানৰ অধীনৰ সমগ্ৰ ভাৰতবৰ্ষত প্ৰায় ১৪৭০ হেক্টৰ পতিত মাটি আৱৰি ৭৮ টা কৃষি বিজ্ঞান কেন্দ্ৰৰ জৰিয়তে তৈলবীজ ৰোপণৰ আঁচনিৰ জৰিয়তে শিৱসাগৰ জিলা কৃষি বিজ্ঞান কেন্দ্ৰৰ সহযোগত প্ৰায় ২০ হেক্টৰ কৃষিভূমিত মালা টায়ে, প্ৰশান্ত পেগু, দিবাকৰ টায়েৰ দৰে যুৱকে সৰিয়হৰ খেতিৰে নিজৰ ভৱিষ্যতৰ সপোন ৰচিছে। শিৱসাগৰৰ জিলাৰ দিহিংমুখ সকলোৰে চিনাকি নাম যদিও বহু সমস্যাৰে ভাৰাক্ৰান্ত। প্ৰতি বছৰে লুইতৰ বানে কৃষকৰ পৰিশ্ৰমক বানৰ জৰিয়তে উটুৱাই নিয়াৰ লগতে বাট-পথ, জীৱিকা, শিক্ষা-দীক্ষা আদি অন্যান্য সমস্যাৰে জুৰুলা। কিন্তু এনে প্ৰতিকূল পৰিস্থিতিৰ প্ৰতিবন্ধকতাসমূহক নেওচা দি সাহসেৰে কৃষিক জীৱিকাৰ মাধ্যম হিচাপে গ্ৰহণ কৰাটো বৰ্তমান যুগত কোনো লোকৰেই হয়তো গ্ৰহণযোগ্য নহয়। বছৰৰ বেছিভাগ সময় বানপানীৰ কবলত থকা দিহিংমুখ নামৰ গাঁওখন দিহিং নদীৰ পাৰত, নাতিদূৰত থকা ব্ৰহ্মপুত্ৰত বিলীন হৈছে দিহিং নদী। দুই শতাধিক মিচিং সম্প্ৰদায়ৰ পৰিয়ালৰ বসতিস্থল দিহিংমুখৰ দিহিং নদীৰ পাৰৰ পলসুৱা উৰ্বৰা মাটিৰ এক চাপৰি ভেকুৰি চাপৰি। শিৱসাগৰ জিলাৰ ডিমৌ নগৰৰ প্ৰায় ২০ কিঃমিঃ নিলগৰ পশ্চিম প্ৰান্তত থাওৰা সমষ্টিৰ অন্তৰ্গত দিহিংমুখ অঞ্চলৰ চেঁচামুখ ভেকুৰি চাপৰিত শিৱসাগৰ জিলা কৃষি বিজ্ঞান কেন্দ্ৰৰ বিষয় বিশেষজ্ঞ ড° তৃষ্ণলী শইকীয়া আৰু ৰূপজ্যোতি বড়াৰ তৎপৰতাত আৰু গৰুখুঁটি পথাৰ পৰিচালনা সমিতিৰ সভাপতি অনিল দিহিঙীয়াৰ সহযোগত ৰবি শস্য উৎপাদনৰ সম্ভাৱনীয়তাই আশাৰ বতৰা কঢ়িয়াই আনিছে। উন্নত বৈজ্ঞানিক পদ্ধতিৰে খেতি কৰিবলৈ লোৱা এইসকল শিক্ষিত যুৱক সফলতাৰ সম্ভাৱনীয়তাত দুগুণ উৎসাহী হৈ পৰিছে। শিৱসাগৰ জিলা কৃষি কেন্দ্ৰই প্ৰায় ২০ হেক্টৰ কৃষিভূমি আৱৰি নিজখাঁলৈঘোগুৱা, বাঢ়েটিং, গৰুখুঁটি আদিৰ লগতে চেঁচামুখ ভেকুৰি চাপৰিত সৰ্বমুঠ ৪৩ জন খেতিয়কক বীজ, সাৰ প্ৰদান কৰিছে। তাৰে অংশ হিচাপে ভেকুৰি চাপৰিৰ ২০ জনতকৈ অধিক যুৱকৰ লগতে যুৱতীসকলে সৰিয়হৰ খেতিত আত্মনিয়োগ কৰিছে। ইয়াৰ সমান্তৰালকৈ কৃষি বিজ্ঞান কেন্দ্ৰই প্ৰায় ১০ হেক্টৰ কৃষিভূমিত গড়ভংগা বাঢ়েটিং, চেঁচামুখ ভেকুৰি চাপৰিত ২৮ জন কৃষকৰ দ্বাৰা মাটিমাহৰ খেতি কৰোৱাইছে, য'ত ভেকুৰি চাপৰিত ৫ জন যুৱকে মাটিমাহৰ খেতিত নিয়োজিত হৈছে। কেন্দ্ৰটোৰ জৰিয়তে কচুপথাৰ, ভবলুৱা-নকাটনি, কালুগাঁও, নিজখাঁলৈঘোগুৱা, গৰুখুঁটি আদি অঞ্চলত প্ৰায় ১৫ জন খেতিয়কৰ মাজত মচুৰমাহৰ বীজ আৰু জৈৱিক সাৰ প্ৰদান কৰিছে। প্ৰতিবিঘা মাটিত ১.৩ কুইণ্টলকৈ উৎপাদনৰ লক্ষ্যৰে কেন্দ্ৰটোৱে প্ৰায় ১০ হেক্টৰ কৃষিভূমিত ত্ৰিশজন খেতিয়কৰ জৰিয়তে নিৰ্মলীয়া গৌৰীসাগৰ, ভবলুৱা, নকাটনি, কালুগাঁও আৰু ফুলপানীছিগা আদি ঠাইত মটৰমাহৰ বীজৰ লগতে সাৰ আদি প্ৰদান কৰি খেতি কৰাইছে বুলি কেন্দ্ৰটোৰ আঁচনি সমন্বয়ক ড° ফুলেশ্বৰ নাথে জানিবলৈ দিয়ে। অন্যহাতে, দিহিংমুখৰ দৰে এক সমস্যা জৰ্জৰিত অঞ্চলৰ এইসকল শিক্ষিত যুৱক-যুৱতীৰ উৎসাহী পদক্ষেপে হালধীয়া ফুলেৰে ৰচা যৌৱনৰ সপোন এক অনন্য উদাহৰণ হৈ ৰ'ব।



নিয়মীয়া বার্তা

পঞ্চম বছৰ ☐ সংখ্যা ৩১০ ☐ পৌষ ৰ ২ মাঘ ১৯৩৭ শক ☐ ১৭ জানুৱাৰী ২০১৬ খ্ৰ ☐ SUNDAY 17 JANUARY 2016 (ডিব্ৰুগড় সংস্কৰণ/DIBRUGARH EDITION)

শিৱসাগৰৰ বিজ্ঞান কেন্দ্ৰৰ সহযোগত দিহিংমুখৰ মিচিং যুৱকৰ সফলতা

জীৱনৰ সোপান ৰচিছে সৰিয়হৰ হালধীয়া ফুলত...

মুখ্যকে হাজিকা, গৌৰীসাগৰ, ১৯ জানুৱাৰী ঃ বানে গৰকা এখন মিচিং গাঁও। দুই শতাধিক পৰিয়ালৰ বসতি অঞ্চলটোৰ নাম দিহিংমুখ। দিহিংনদীৰ পাৰ হৈয়ে পলসুৱা, উৰ্বৰ সাঁজুৱা মাটিৰ এক বৃহৎ চাপৰি চেঁচামুখ, ভেকুৰ চাপৰি। বানেধোৱা লুইতৰ এই চাপৰিটোৱেই তেওঁলোকৰ বাবে জীৱন-জীৱিকাৰ একমাত্ৰ ভৰষা। এই ভেকুৰ চাপৰিতে বহু হেক্টৰ মাটিত মালা টায়ে, প্ৰশান্ত পেণ্ড, দিবাকৰ টায়েহঁতৰ ঘামসিক্ত পৰিশ্ৰমত এতিয়া সৰিয়হৰ হালধীয়া ফুলে দলিছা পাৰিছে। শিৱসাগৰ জিলাৰ ডিমৌ নগৰ প্ৰায় ২০ কিলোমিটাৰ নিলগৰপশ্চিম প্ৰান্তত থাওঁৰা সমষ্টিৰ অন্তৰ্গত দিহিংমুখঅঞ্চলৰ চেচামুখত জিলা কৃষিবিজ্ঞান কেন্দ্ৰৰ ড° তৃষ্ণালী শইকীয়া আৰু ৰূপজ্যোতি বড়াৰ তৎপৰতাত আৰু গৰুখুটি পথাৰপৰিচালনা সমিতিৰ সভাপতি অনিল দিহিঙীয়াৰ সহযোগত কৃষকসকলে ৰবিশস্যৰ উৎপাদনৰ সম্ভাৱনীয়তাই আশাৰ বতৰা কঢ়িয়াই আনিছে। কৃষিবিজ্ঞান কেন্দ্ৰৰ পূৰ্ণ সহযোগত উন্নত প্ৰযুক্তিৰে যোৱা বছৰৰপৰা খেতি কৰিবলৈ আৰম্ভ কৰা যুৱকসকল আৰু দুগুণে উৎসাহিত হৈ পৰা পৰিলক্ষিত হৈছে। নেচনেল মিছন অন অইলছিড এণ্ড অইলপাম অভিযানৰ জৰিয়তে সমগ্ৰ ভাৰততে প্ৰায় ১৪৭০ হেক্টৰ পতিত মাটি আবৰি ৭৮ টা কৃষি বিজ্ঞান কেন্দ্ৰৰ জৰিয়তে তৈলবীজ ৰোপন কৰা অভিযান অনুসৰি শিৱসাগৰ জিলা কৃষিবিজ্ঞান কেন্দ্ৰই প্ৰায় ২০ হেক্টৰ কৃষিভূমি আবৰি নিজখাৰৈযোগুৰা, বাঢ়ৈটিং, গৰুখুটি আদিৰ লগতে চেচামুখ ভেকুৰি চাপৰিত ৪৩ জন

দিহিংমুখ ভেকুৰি চাপৰিত নিবনুৱা মিচিং যুৱকৰ শইচ বিপ্লৱ

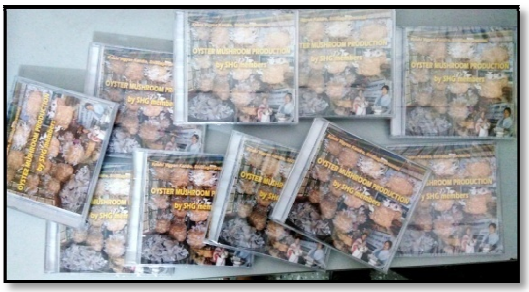
শিৱসাগৰ জিলা কৃষি বিজ্ঞান কেন্দ্ৰৰ সহযোগ

আমাৰ খবৰ, গৌৰীসাগৰ, ১৯ জানুৱাৰী ঃ বানে গৰকা এখন মিচিং গাঁও। দুই শতাধিক পৰিয়ালৰ বসতি অঞ্চলটোৰ নাম দিহিংমুখ। দিহিংনদীৰ পাৰ হৈয়ে পলসুৱা, উৰ্বৰ সাঁজুৱা মাটিৰ এক বৃহৎ চাপৰি চেঁচামুখ, ভেকুৰ চাপৰি। বানেধোৱা লুইতৰ এই চাপৰিটোৱেই তেওঁলোকৰ বাবে জীৱন-জীৱিকাৰ একমাত্ৰ ভৰষা। এই ভেকুৰ চাপৰিতে বহু হেক্টৰ মাটিত মালা টায়ে, প্ৰশান্ত পেণ্ড, দিবাকৰ টায়েহঁতৰ ঘামসিক্ত পৰিশ্ৰমত এতিয়া সৰিয়হৰ হালধীয়া ফুলে দলিছা পাৰিছে। শিৱসাগৰ জিলাৰ ডিমৌ নগৰ প্ৰায় ২০ কিলোমিটাৰ নিলগৰপশ্চিম প্ৰান্তত থাওঁৰা সমষ্টিৰ অন্তৰ্গত দিহিংমুখঅঞ্চলৰ চেচামুখত জিলা কৃষিবিজ্ঞান কেন্দ্ৰৰ ড° তৃষ্ণালী শইকীয়া আৰু ৰূপজ্যোতি বড়াৰ তৎপৰতাত আৰু গৰুখুটি পথাৰপৰিচালনা সমিতিৰ সভাপতি অনিল দিহিঙীয়াৰ সহযোগত কৃষকসকলে ৰবিশস্যৰ উৎপাদনৰ সম্ভাৱনীয়তাই আশাৰ বতৰা কঢ়িয়াই আনিছে। কৃষিবিজ্ঞান কেন্দ্ৰৰ পূৰ্ণ সহযোগত উন্নত প্ৰযুক্তিৰে যোৱা বছৰৰপৰা খেতি কৰিবলৈ আৰম্ভ কৰা যুৱকসকল আৰু দুগুণে উৎসাহিত হৈ পৰা পৰিলক্ষিত হৈছে। নেচনেল মিছন অন অইলছিড এণ্ড অইলপাম অভিযানৰ জৰিয়তে সমগ্ৰ ভাৰততে প্ৰায় ১৪৭০ হেক্টৰ পতিত মাটি আবৰি ৭৮ টা কৃষি বিজ্ঞান কেন্দ্ৰৰ জৰিয়তে তৈলবীজ ৰোপন কৰা অভিযান অনুসৰি শিৱসাগৰ জিলা কৃষিবিজ্ঞান কেন্দ্ৰই প্ৰায় ২০ হেক্টৰ কৃষিভূমি আবৰি নিজখাৰৈযোগুৰা, বাঢ়ৈটিং, গৰুখুটি আদিৰ লগতে চেচামুখ ভেকুৰি চাপৰিত ৪৩ জন

হিচাপে ভেকুৰি চাপৰিৰ ২০ জনকৈ অধিক যুৱকৰ লগতে যুৱতীসকলে সৰিয়হৰ খেতিত আত্মনিয়োগ কৰিছে। ইয়াৰ সমান্তৰালকৈ কৃষি বিজ্ঞান কেন্দ্ৰই প্ৰায় ১০ হেক্টৰ কৃষিভূমিত গড়ভংগা, বাঢ়ৈটিং, চেচাঁমুখ ভেকুৰি চাপৰিত ২৮ জন কৃষকৰ মাজত মাটিমাহৰ খেতি কৰোৱাইছে য'ত ভেকুৰি চাপৰিত ৫ জন যুৱকে মাটিমাহৰ খেতিত নিয়োজিত হৈছে। তাৰোপৰি কেন্দ্ৰটোৰ জৰিয়তে কচু পথাৰ, ভবলুৱা-নকটানি, কালুগাঁও, নিজখাৰৈঘোগোৱা, গৰুখুটি আদি অঞ্চলত প্ৰায় ১৫ জন খেতিয়কৰ মাজত মচুৰ মাহৰ বীজ জৈৱিক সাৰ প্ৰদান কৰিছে। প্ৰতি বিঘা মাটিত ১.৩ কুইণ্টলকৈ উৎপাদনৰ লক্ষ্য কৰাৰ লগতে কেন্দ্ৰটোৱে প্ৰায় দহ হেক্টৰ কৃষিভূমিত ত্ৰিশজন খেতিয়কৰ জৰিয়তে নিমলীয়া, গৌৰীসাগৰ, ভবলুৱা, নকটানি কালুগাঁও আৰু ফুলপানীছিগা আদি ঠাইত মটৰ মাহৰ বীজৰ লগতে সাৰ আদি প্ৰদান কৰি খেতি কৰিছে বুলি কেন্দ্ৰটোৰ আঁচনি সমন্বয়ক ড° ফুলেশ্বৰ নাথে জানিবলৈ দিছে। যি সময়ত একাংশ শিক্ষিত নিবনুৱা যুৱকে চৰকাৰী চাকৰি বিচাৰি জীৱনৰ অমূল্য সময় অতিবাহিত কৰিছে তেনে সময়ত সৌতৰ বিপৰীতে গৈ দিহিংমুখৰ এইসকল শিক্ষিত নিবনুৱাই দেখুৱাইছে স্বাবলম্বিতাৰ উৎকৃষ্ট নিদৰ্শন। এইসকল কৃষক আজিৰ তাৰিখত উঠি অহা প্ৰজন্মৰ বাবে নিশ্চিতভাবে আদৰ্শ।

Gala of Manjula Konwar - trailblazer for fellow rural women

Perseverance and staying focussed – the two power that has led Manjula Konwar, women farmer in Sivasagar district to come out of their routine household to such an income generating activity that has become an example to other fellow rural women. Resident of Bengmuria Konwar Gaon and a mother of two college going boys she is a regular visitor to the Krishi Vigyan Kendra, Sivasagar. She was a participant in the training programme on Vermicompost production in 04.12.2011. That was the turning point of her life as an entrepreneur. Starting vermicompost production in a disposable thermocole enclosure, she now has a concrete production unit of 20 q capacity. "Initially, my husband did not support me in plunging into entrepreneurship activity. But I was adamant and thought of utilizing my spare time into some productivity which will also help me in earning some money" she said, when asked about how she turned into an entrepreneur. Triggered by the success from this enterprise, she started participating in a number of capacity building programmes for rural entrepreneurs including scientific flower production, oyster mushroom cultivation, dual purpose backyard poultry, fodder nursery and preparation of traditional Assamese confectionery etc. During 2013-14 she was given a frontline demonstration on gerbera var. Red Gem and Summer marigold var. Seracole. In addition she was also included in the beneficiary list of FLD on dual purpose poultry Vanaraja. Thereafter, she is maintaining a gerbera plot (var. Red Gem) of 0.2 ha which is helping her earning revenue from the sale of cut flowers in addition to sucker which is in great demand. She also has the planting material of summer marigold Seracole. From this enterprise alone, she could earn an amount of Rs. 15,000.00 per annum. She also has 20 nos. of poultry var. Vanaraja and Khaki Campbell. Furthermore from the year 2014, she has started oyster mushroom cultivation in her household. Encouraged by the increasing demand of fresh oyster mushroom and the revenue earned therefrom, she plunged into oyster mushroom cultivation in the year 2015. Under the guidance of Trishnalee Saikia and Rupjyoti Borah, SMS, KVK, Sivasagar she started this activity in a newly constructed bamboo lathe room of 8 feet by 8 feet. The spawn and polythene bag was provided from the Krishi Vigyan Kendra, Sivasagar under the FLD on Participatory Video Making on Scientific Oyster Mushroom Production Technology. Through the FLD she gained expertise in every step of mushroom production right from preparation of mushroom beds to marketing of the produce. Regular guidance was provided from the two scientists of the KVK resulting in production from 100 beds and obtained a harvest of 150 kg with a gross return of Rs. 30,000.00. She also actively participated in the video making of scientific cultivation of oyster mushroom. "I was not interested in this enterprise fearing the chance of growth of poisonous mushroom. At the very outset, I tried this with twenty bags, but now keeping in view the increased demand of fresh mushroom the idea came



into my mind to do it in a large scale", she said. She is hopeful of enlarging the production of mushroom production next year with about 500 beds. Her success has led the fellow women SHG members to take up this enterprise in the time to come.

****

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

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

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

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

- Identification of courses for farmers/farm women : PRA, focus group discussion
- Rural Youth : PRA, focus group discussion
- Extension personnel : Group discussion

3.11 Field activities

i. Number of villages adopted : 3 nos.

ii. No. of farm families selected : 250

iii. No. of survey/PRA conducted : 5 nos.

3.12. Activities of Soil and Water Testing Laboratory: NA

Status of establishment of Lab : Not yet established

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

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

3. Details of samples analyzed so far : No soil testing laboratory is there in KVK Sivasagar. The samples are being analysed in AAU

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	334	334	90	-
Water Samples				
Plant Samples				
Petiole Samples				
Total	334	334	90	

3.13. Details of SMS/ Voice Calls sent on various priority areas

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	14	3948	6	1692	21	5918			1	282	8	2256	50	14096
Voice only														
Voice and Text both														
Total	14	3948	6	1692	21	5918			1	282	8	2256	50	14096

3.14 Contingency planning for 2015-16

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
	Introduction of new variety or crop				
	Introduction of Resource Conservation Technologies				
	Distribution of seeds and planting materials				
	Any other (Please specify)				

a. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Management of Stemborer and leaf folder in Sali rice using trichocard	10	0	54000/ha	57600/ha
Popularization of dual purpose backyard poultry Vanaraja	5	0	500/yr/poultry	1000/yr/poultry
Popularization of Vermicompost Production technology	50	69	0	Rs.11909.09/yr

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

Sl. No.	Technology Demonstrated	Year of Demonstration	Location
1	Management of Stemborer and leaf folder in Sali rice using trichocard	2011-12	Rohdoipukhuri
2	Popularization of dual purpose backyard poultry Vanaraja	2011-12	Nimaigarh Habigaon, Ramugaon, Nazira
3	Popularization of Vermicompost Production technology	2012-13	Chetia Handique Gaon, Bengmuria Konwar Gaon, Kochupathar

All the beneficiaries were selected for data collection on adoption, problems in adoption, change in income etc. Whereas, for gain in knowledge, knowledge test was conducted for both beneficiaries as well as non-beneficiaries of the locality. The salient findings of the study are as follows:

A. Impact of Vanaraja breed of poultry

Sl. No.	Particulars	Before intervention	After intervention	At present
1	Rearing of Poultry breed	Local	Both	Local
2	Production of eggs	100 eggs per year	200 eggs per year	100 eggs
3	Vaccination	No	Yes	No
4	Increase in knowledge	66.67 per cent more compared to the non-beneficiary farmers		
5	Problems faced by the farmers in rearing Vanaraja birds	1. Presence of cannibalism behavior 2. Destruction of vegetable crops as well as vermicompost tanks 3. Absence of brooding behaviour		

B. **Impact of vermicompost production technology**

Sl. No.	Particulars	Value
1	Adoption of the technology	69 per cent
2	At present producing	56 per cent
3	Increase in Income	Increased from 0 to Rs.11909.09 during the intervention year
4	Increase in knowledge	71 per cent increase in knowledge of beneficiary farmers compared to non-beneficiary farmers
5	Reasons for non-adoption of the technology	1. Flood 2. Non availability of market 3. Non availability of cow dung etc.

C. **Impact of management of stemborer and leaf folder in Sali rice using trichocard**

Materials supplied: Fertilizer, seeds var. Ranjit and trichocard

SL. No.	**Particulars**	**Before**	**After**	**At present**
1	Area under Ranjit	50 percent of area	50 percent of area	11.11 per cent
2	Fertilizer application	Low rate	Required rate	Low rate
3	Use of trichocard	No	Yes	No
4	Increase in knowledge	21.43 per cent more compared to the non-beneficiary		
5	Yield	4.5t/ha	4.8t/ha	3.9t/ha
6	Reasons for non-adoption of technology	# Non-availability # lack of knowledge # Low insect pest infestation		

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	**Nature of linkage**
1. District Agricultural Office	Implementation of ATMA programe and selection of participants
2. District Animal Husbandry & Veterinary Office	Joint implementation of programmes
3. District Fishery Development Office	Joint implementation of programmes
4. District Sericulture Office	Joint implementation of programmes
5. District Forest Office	Joint implementation of programmes
6. District Industry Office	Joint implementation of programmes
7. DRDA	Joint implementation of programmes
8. Banking Organization	Contribution for infrastructural development
9. Krishak Nyas, SHAPE, SHINE, KBKUS, Prerona,	Conducting training programmes and demonstration
10. NABARD	Sponsored training, SHG & JLG formation and management and other extension activities.

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 during 2015-16

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No Yes

Sl. No.	Programme	Nature of linkage	Remarks
	Exhibition	Joint implementation of various programmes	

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2015-16

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Piggery	2013		T &D		31		77500.00	
2	Mushroom	2012		Oyester		11 Kg		1760.00	
3	Goatery	2012		Assam Hill goat and Beetal		5 and 1 kids		4300.00	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice			0.4 ha 0.4 ha	Ranjit Ranjit Gitesh	F- seed				
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other									
Fibers									
i.									
ii.									
Spices & Plantation crops									
i.									
ii.									
Floriculture									
i.									
ii.									
Fruits									
i.									
ii.									
Vegetables									
i.									
ii.									
a. Others (specify)									
i.									
ii.									

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

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

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total

6.6. Utilization of hostel facilities (Month-Wise) during 2015-16

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					

Note: (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/ Branch**	**Account Number**
With Host Institute	State Bank of India	Jorhat/ AAU	

With KVK	SBI, ADB, Gargaon	Gargaon	11671477783
Revolving Fund	SBI, ADB, Gargaon	Gargaon	30709339138

7.2 Utilization of funds under FLD on Maize *(Rs. In Lakhs) if applicable*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2015
	Year	Year	Year	Year	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2015 -16

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	80.00		7923344.00
2	**Traveling allowances**	2.50		118948.00
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	15.10		1093047.00
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
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)		**97.60**		
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**	4.00		
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**101.60**		

7.4 Status of Revolving Fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2013 to March 2014	83026.00	165004.00	91576.00	156454.00
April 2014 to March 2015	156454.00	216207.00	195492.00	177169.00
April 2015 to March 2016	177169.00	199655.00	260399.00	116475.00

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

Technology showcasing programme during 2013-14 on crops

Sl. No.	Period/ Season	Crop	Variety	Area(ha)	No. of farmers	Yield(ton/ha)
1	Kharif	Paddy	Ranjit	6.67	27	5.4
			Gitesh	6.67		5.7

8.1 Constraints

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

(Signature)
Programme Coordinator