PROFORMA FOR ANNUAL REPORT OF KVKS, 2014-15

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KRISHI VIGYAN KENDRA Assam Agricultural University Udalguri::Lalpul 784514, Assam	Office	FAX	kvk.udalguri13@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	+91-376-2340013	+91-376-2340001	vc@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. U.J Sarma		09954384344	Uj1966@rediffmail.com

1.4. Year of sanction: 2014-15

1.5. Staff Position **(As on 10th March, 2015)**

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. U.J Sarma	Programme Coordinator	Soil Science	37,600-64,000	50,720	5/09/2013 28/08/1996 (university joining)	Permanent	Gen
2	Subject Matter Specialist	Mr. Pabitra Saharia	Subject Matter Specialist	Fisheries	15,600-39,100	25,810	10/11/2008	Permanent	Gen
3	Subject Matter Specialist	Mrs. Himadri Rabha	Subject Matter Specialist	Plant Protection	15600-39100	21,000	7/02/2014	Permanent	ST
4	Subject Matter Specialist	Ms. Pallavi Deka	Subject Matter Specialist	Agri. Econ & FM	15600-39100	21,000	1/02/2014	Permanent	OBC
5	Subject	Ms.	Subject	Hort.	15,600-	21,00	31/01/2014	Permanent	OBC

	Matter Specialist	Sharmistha Borgohain	Matter Specialist		39,100	0			
6	Subject Matter Specialist								
7	Subject Matter Specialist								
8	Programme Assistant	Mrs. Pompy Bora	Programme Assistant	H. Sc.	8,000-35,000	12,900	27/10/14	Temporary	OBC
9	Computer Programmer	Mr. Pranabesh Barman	Programme Assistant	Computer	8,000-35,000	17,820	14/11/08	Permanent	SC
10	Farm Manager	Mr. Ramen Kalita	Farm Manager		8,000-35,000	12,900	11/10/14	Temporary	GEN
11	Accountant / Superintendent	Mr. Dhruba Jyoti Sarma	Accountant / Superintendent		8,000-35,000	13,690	22/02/12	Permanent	GEN
12	Stenographer								
13	Driver								
14	Driver								
15	Supporting staff								
16	Supporting staff								
	Total								

1.6. a. Total land with KVK (in ha): 26.7 ha
b. Total cultivable land with KVK (in ha):
c. Total cultivated land (in ha):

S. No.	**Item**	**Area (ha)**
1	Under Buildings	
2.	Under Demonstration Units	
3.	Under Crops (Cereals, pulses, oilseeds etc.)	
4.	Under vegetables	
5.	Orchard/Agro-forestry	
6.	Others (specify)	

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building							
2.	Farmers Hostel							
3.	Staff Quarters (6)							
4.	Demonstration Units (2)							
5	Fencing							

B) Vehicles

Type of vehicle	**Regd. No.**	**Year of purchase**	**Cost (Rs.)**	**Total kms. Run**	**Present status**

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
	.		

1.8. A). Details SAC meeting* conducted in the year 2014-15: Nil

Sl.No.	**Date**	**Name and Designation of Participants**	**Salient Recommendations**	**Action taken on last SAC recommendation**
1.				
2.				

**** 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.	Agriculture + A.H.
2.	Agriculture + Fishery +A.H.
3.	Agriculture +Horticulture +Sericulture
4	Agriculture +Horticulture +Fishery +A.H.
5	Agriculture +Horticulture +A.H.

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

Sl. No.	Agro-climatic Zone	Characteristics
1	North Bank Plain Zone	Semi Arid Humid

Description of major agro ecological situations (based on soil and topography)

No	Agro ecological situation	Characteristics
1	Foot hill with high elevation	Foot hills of Himalayas, alluvial soils are found with dense forest
2	Upland medium rainfall	Old alluviums, acidic
3	Medium land medium rainfall	-
4	Low land low elevation	Near river banks, new alluvials which are either neutral or less acidic
5	Deep water low elevation	-

2.3 Soil types

Sl. No	Soil type	Characteristics	Area in ha
1.	Sandy loam		40560.16
	Clay loam		45486.02
	Silty loam		1230.7
	Clay		4355.1

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qt /ha)
1	Rice	95693	137366 MT	1395 kg/ha
2	Wheat	1920	1882 MT	980 kg/ha
3	Oil seed crop	5122	2049 MT	400 kg/ha
4	Pulse	4401	2551 MT	580 kg/ha
5	Sugarcane	802	31292 MT	3901 kg/ha
6	Coconut	650	48 lac nos.	80no./plant/yr
7	Arecanut	6600	56.25	120 no./plant/yr
8	Jute	5001	38387 Bale	1382 kg/ha
9	Mesta	586	2718 MT	835 kg/ha

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April	75.00	35.8	16.4	82.9
May	200.00	37.6	18.7	94.9
June	437.00	37.9	23.9	95.1
July	443.00	36.9	24.6	95.6
August	267.75	36.6	23.4	94.3
September	134.00	37.4	22.6	93.3
October	3.81	34.4	17.8	90.4
November	4.57	30.6	11	86.8
December	0	30	7.3	88.4
January	10.41	29.4	8.2	88.7
February	-	29.9	7	85.6
March	-	-	-	-

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

Category	Population	Production	Productivity
Cattle			
Crossbred			
Indigenous			
Buffalo			
Sheep			
Crossbred			
Indigenous			
Goats			
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens			
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland	867 ha	860 MT	1200-1500 kg/ha
Prawn			
Scampi			
Shrimp			

2.6 Details of Operational area / Villages (2014-15)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area

2.TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2014-15

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
Soil science	2	2	6	6	2	2	6	6
Fisheries Science	2	-	-	-	3	2	9	6
Horticulture	2	1	6	3	2	1	6	3
Plant	2	1	6	3	2	1	6	3

Protection								

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**	**Targets**	**Achievement**
Farmers	27	19	725	506	110	57	500	500
Rural youth	11	8	200	243				
Extn. Functionaries								

Seed Production (ton.)		Planting material (Nos. in lakh)	
Foundation seed production cv. Ranjit			
Target	**Achievement**	**Target**	**Achievement**
-	22 Q		

3.B. Abstract of interventions undertaken during 2014-15

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	**Title of FLD if any**	**Title of Training if any**	**Title of training for extension personnel if any**	**Extension activities**	**Supply of seeds, planting materials etc.**
1	INM	Rapeseed		INM in Rapeseed(var. TS-36)	Boron management in Rapeseed(var. TS 36)	Production & use of organic manure/compost for soil sustainability	Nil	Nil	Nil
	Soil microbes/INM	Black gram/Sali rice		Biofertilizers for kharif blackgram (var. KU-301)	INM in Sali rice (var. Ranjit)	Application of biofrtilizers in cole crops Awareness programme on soil testing for management of soil fertility & sustainable crop productivity			
2	IFS	Rice-fish			Integrated Rice-fish farming	Rice fish farming Composite fish farming(3 nos.)		Field day	

	Pond management	Fish			Scientific Species ratio and composition in composite fish farming	Fish health management Fish livestock farming		Field day	
3	Organic Cultivation/ High density planting	Cabbage/ Banana		Cultivation cabbage using organic sources cv. Golden Acre	High density planting of banana cv. G-9	Commercial cultivation of coconut & arecanut Management aspects of ginger & turmeric Commercial cultivation of broccoli Cultivation of some winter vegetables Nursery raising techniques of some winter vegetables Propagation techniques of some horticultural crops			
4	Biological control/IPM	Rice/Brinjal		Biological supression of rice pest	Management of bacterial wilt of brinjal with BIOZIN-PTB in brinjal	IPM in coconut & arecanut (2) IPM in Sali rice IPM in solanaceous crops IPM in banana			
5						Nutrient management in Sali rice (2)			
6						Microfinance and its impact in Agricultural practices Formation and Management of SHG			

						Formation and promotion of SHGs for economic sustainability			
						Farm Book Keeping(2)			
						Marketing of Agricultural produce			
7						Nutritional Care during Pregnancy and lactation			
						Seasonal pickle making(2)			
						Importance of stimulation during infancy			

3.1 Achievements on technologies assessed and refined during 2014-15

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation										
Seed / Plant production					1					1
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management	1	1								2
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	1									1

Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	2	1			1					4

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

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

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 enterprise										
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								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

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								

11. Results of On Farm Testing

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C Ratio (if applicable)
INM in rapeseed (var. TS-36)	Lack of knowledge in nutrient management	Application of 45:22.5:22.5 kg/ha NPK+ *Azotobacter*+ PSB @ 50 g/kg seed	3	As it is conducted for the first year, the crop yield was better than local traditional variety	Accepted by the farmers.		3.23:1
Biofertilizers for kharif Blackgram (var. KU-301)	Lack of knowledge organic nutrients	NPK@ 15:35:15 kg/ha Seed inoculation with Rhyzobium+ PSB@50g/kg seed	3	The crop yield was better than local traditional variety	Accepted by the farmers.		2.20:1
Biological supression of rice pest	High incidence of rice pest	Seed treatment with P. Fluorescence @ 8 gm/kg of seed. Spray of *B. bassiana* @ 10^3 spore/ha against sucking pest for 2 times at 15 days interval. Release of *T. japonicum*@ 100000/ha twice at 30 days after transplanting	3	The crop yield was better than local traditional variety and pest infestation was significantly reduced	Accepted by the farmers.		1.46:1
Cultivation of cabbage (var. Golden Acre) using organic sources of nutrients	Lack of awareness of organic practices	Application of RP@375kg/ha and Vermicompost@ 5t/ha and *Azotobacter* and PSB as seedling root dip treatment	3		Accepted by the farmers.		2.31:1

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

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

3.2 Achievements of Frontline Demonstrations during 2014-15

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	Boron management in Rapeseed var. TS-36	Application of Borax @ 10kg/ha along with RD of NPK/ Toria/jute or rice –Toria	3	3	1.5
2	Sali rice (var. Ranjit)	INM in Sali rice	3	3	1.5
3	Rice-fish farming	Rice-fish farming	3	3	0.39
4	Scientific species combination and ratio in composite fish farming	6 species combinations [IMC- 60% (20% each), exotic carp 40%]	3	3	0.42
5	High density planting of banana cv. G-9	Planting of 3 nos. of TC banana plants/pit at 30cm apart with a spacing of 2m x 3m	3	3	1.5
6	Management of bacterial wilt of brinjal with BIOZIN-PTB in brinjal	Seed treatment & seedling root treatment with 10% Biozin PTB Soil application of 1% biozin PTB with dry cowdung	3	3	1.5

**** 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 (Rf/ Irrigated, Soil type, altitude, etc.)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ ST	Others	Total					
1	Rapeseed var. TS-36	Boron management	Boron management in Rapeseed var. TS-36	2014	1.5	1.5	3		3		Rainfaid			
2	Sali rice (var. Ranjit)	INM	INM in Sali rice (var. Ranjit)	2014	1.5	1.5	3		3		Rainfaid			
3	Banana	High density planting	High density planting of banana cv. G-9	2014	1.5	1.5	2	1	3		Rainfaid			
4	Brinjal	Bio-contro	Management	20			3		3		Rainf			

		l of pest & diseases	t of bacterial wilt of brinjal with BIOZIN-PTB in brinjal	14							aid			

Performance of FLD

Sl. No.	Crop	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Data on parameter in relation to technology demonstrated (Yield, Disease incidence, etc. as specified in FLD Programme)		Economic Impact				Technical Feedback on the Demonstrated Technology	Farmers' Reaction on specific Technologies
								Average Net Return (Profit) (Rs./ha)		B.C. Ratio			
								Demo	Local Check	Demo	Local Check		
		H	L	A		Demo	Local						
1	2	7	8	9	10	12	13						
1	Rapeseed var. TS-36	10.2	9.4	9.8	7.5			31,200	12,200	2.75:1	2.18:1		Accepted by farmers
2	Sali rice (v	53	49.5	51.2	35			28,525	11,690	2.25:1	1.80:1		Accepted by farmers

	ar. Ranjit)												
3	Brinjal	190	174	182	136			183000	124000	2.03:1	1.55:1		Accepted by farmers
4	Rice-fish	36.5 q 12.35 q	33 q 11 q	34.75 q 11.6 q	6.5 q 6 q			126250	73000	1.5:1	1.05:1	The farmer's under Rice-Fish farming was overwhelmed to achieve such a production for the first time	Many farmers shown keen interest in rice-fish farming technology after seeing the demonstration in the field day conducted
5	High density Banana	On going											
6	Composite fish farming	On going, partial harvesting is done											

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

Extension and Training activities under FLD:

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	2	25th Nov,14 10th Feb,15	86 nos.	
2	Farmers Training				
3	Media coverage				
4	Training for extension functionaries				

c. Details of FLD on Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

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

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / Indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom								
Apiary								
Sericulture								
Vermi compost								

3.4. Achievements on Training both On and Off Campus (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit):

Thematic area	No. of courses			Participants																		
				Others						SC/ST						Total						Grand Total
	On	Off	Total	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS & FARM WOMEN																						
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																						
others		off	1	-	3	-	-	-	3	-	24	-	-	-	24	-	27	-	-	-	27	27
			1	-	34	-	-	-	34	-	2	-	-	-	2	-	36	-	-	-	36	36
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops		Off	1	-	13	-	2	-	15	-	9	-	2	-	11	-	22	-	4	-	26	26
Off-season vegetables																						
Nursery raising		off	1	-	6	-	-	-	6	-	19	-	-	-	19	-	25	-	-	-	25	25
Exotic vegetables like Broccoli		Off	1	-	23	-	-	-	23	-	3	-	-	-	3	-	26	-	-	-	26	26
Export potential vegetables																						
Grading and standardizatio																						

n																					
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 orchard																					
Export potential fruits																					
Micro irrigation system																					

s of orchard																						
Plant propagation techniques		Off	1	-	23	-	-	-	23	-	3	-	-	-	3	-	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		Off	2	-	8	-	-	-	8	-	19	-	-	-	19	-	27	-	-	-	27	27
Processing and value addition																						
e) Tuber crops																						
Produc																						

tion and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology		off	1	-	6	-	-	-	6	-	19	-	-	-	19	-	25	-	-	-	25	25
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						

Soil fertility management		Off	1	-	25	-	2	-	27	-	1	-	-	-	1	-	26	-	2	-	28	28
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs		Off	3	-	25	-	-	-	25	-	-	-	-	-	-	-	25	-	-	-	25	25
				-	8	-	3	-	11	-	28	-	1	-	29	-	36	-	4	-	40	40
				-	6	-	-	-	6	-	19	-	-	-	19	-	25	-	-	-	25	25
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Manag																						

ement																					
Poultry Management																					
Piggery Management																					
Rabbit Management																					
Disease Management																					
Feed management																					
Production of quality animal product																					
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		Off	2	-	-	-	4	-	4	-	-	-	21	-	21	-	-	-	25	-	25	25
				-	-	-	10	-	10	-	-	-	15	-	15	-	-	-	25	-	25	25
Income generation activities for empo																						

wermement of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care		Off	2	-	-	-	8	-	8	-	-	-	18	-	18	-	-	-	26	-	26	26
				-	-	-	9	-	9	-	-	-	19	-	19	-	-	-	28	-	28	28
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practice																						
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		off	5	-	19	-	-	-	19	-	6	-	-	-	6	-	25	-	-	-	25	25
				-	5	-	-	-	5	-	20	-	-	-	20	-	25	-	-	-	25	25
				-	12	-	-	-	12	-	13	-	-	-	13	-	25	-	-	-	25	25
				-	-	-	-	-	-	-	20	-	7	-	27	-	20	-	7	-	27	27
				-	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	25
Integrated Disease Management																						
Bio-control of pests and disease																						

s																					
Production of bio control agents and bio pesticides																					
VIII Fisheries																					
Integrated fish farming		off	1	-	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	25
Carp breeding and hatchery management																					
Carp fry and fingerling rearing																					
Composite fish culture		off	2	-	18	-	-	-	18	-	18	-	10	-	28	-	36	-	10	-	46	46
				-	3	-	-	-	3	-	24	-	-	-	24	-	27	-	-	-	27	27
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																					
Others		Off	3	-	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	25
				-	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	25
				-	12	-	-	-	12	-	13	-	-	-	13	-	25	-	-	-	25	25
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		Off	1	-	5	-	-	-	5	-	20	-	-	-	20	-	25	-	-	-	25	25
		Off	1	-	5	-	2	-	7	-	15	-	3	-	18	-	20	-	5	-	25	25
		Off	1	-	23	-	-	-	23	-	3	-	-	-	3	-	26	-	-	-	26	26
		Off	2	-	32	-	2	-	34	-	2	-	-	-	2	-	34	-	2	-	36	36
				-	14	-	-	-	14	-	15	-	-	-	15	-	29	-	-	-	29	29
		Off	1	-	14	-	-	-	14	-	15	-	-	-	15	-	29	-	-	-	29	29
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production techno																						

logies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL																						
(B) RURAL YOUTH																						
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						

Sericulture																					
Protected cultivation of vegetable crops																					
Commercial fruit production																					
Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops																					
Training and pruning of orchard																					
Value addition																					
Production of quality animal produc																					

ts																					
Dairying																					
Sheep and goat rearing																					
Quail farming																					
Piggery																					
Rabbit farming																					
Poultry production																					
Ornamental fisheries																					
Para vets																					
Para extension workers																					
Composite fish culture																					
Fresh water prawn culture																					
Shrimp farming																					
Pearl culture																					
Cold water fisheri																					

es																					
Fish harvest and processing technology																					
Fry and fingerling rearing																					
Small scale processing																					
Post Harvest Technology																					
Tailoring and Stitching																					
Rural Crafts																					
TOTAL																					
(C) EXTENSION PERSONNEL																					
Productivity enhancement in field crops																					
Integrated Pest Management																					
Integrated Nutrient																					

manag ement																					
Rejuve nation of old orchar ds																					
Protect ed cultiva tion techno logy																					
Format ion and Manag ement of SHGs																					
Group Dyna mics and farmer s organi zation																					
Inform ation networ king among farmer																					
Capaci ty buildin g for ICT applica tion																					
Care and mainte nance of farm																					

machinery and implements																					
WTO and IPR issues																					
Management in farm animal																					
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																						

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

Date	**Clientele**	**Title of the training programme**	**Discipline**	**Thematic area**	**Duration in days**	**Venue (Off / On Campus)**	**Number of other participants**			**Number of SC/ST**			**Total number of participants**		
							Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
15/9/14	F/FW	Production & use of organic manure /compost for soil sustainability	Soil Science	Production and use of organic inputs	1	Off	25	-	25	-	-	-	25	-	25
11/9/14	F/FW	Application of biofrtilizers in cole crops			1	Off	8	3	11	28	1	29	36	4	40
30/9/14	RY	Awareness programme on soil testing for management of soil		soil testing for management of soil fertility	1	Off	25	2	27	1	-	1	26	2	28

		fertility & sustainable crop productivity													
12/8/14 & 13/8/14	F/FW	Commercial cultivation of coconut & arecanut	Horticulture	Production & management technology of plantaion crop	2	Off	6	-	6	19	-	19	25	-	25
26/9/14	F/FW	Management aspects of ginger & turmeric		Production & management technology of spices	1	Off	23	-	23	3	-	3	26	-	26
9/10/14	RY	Commercial cultivation of broccoli		Exotic vegetables	1	Off	13	2	15	9	2	11	22	4	26
10/11/14	F/FW	Cultivation of some winter vegetables		Production of low volume and high value crops	1	Off	5	2	7	15	3	18	20	5	25
17/	F/F	Nurser		Nurse	1	Off	23	-	23	3	-	3	26	-	26

11/14	W	y raising techniques of some winter vegetables		ry raising											
16/9/14 & 17/9/14	RY	Propagation techniques of some horticultural crops		Plant propagation techniques	2	Off	8	-	8	19	-	19	27	-	27
5/8/14 & 6/8/14	F/FW	IPM in coconut & arecanut (3 nos.)	Plant Protection	Integrated Pest Management	2	Off	19	-	19	6	-	6	25	-	25
							5	-	5	20	-	20	25	-	25
11/8/14 & 12/8/14							12	-	12	13	-	13	25	-	25
18/9/14 & 19/9/14															
22/9/14 & 23/9/14	F/FW	IPM in Sali rice			2	Off	-	-	-	20	7	27	20	7	27
7/10/14	RY	IPM in solanaceous crops			1	Off	-	-	-	25	-	25	25	-	25
2/8/14	F/FW	Nutrient manage	Agronomy		1	Off	3	-	3	24	-	24	27	-	27
25/															

8/14 & 26/8/14		ment in Sali rice (2 nos.)			2	Off	34	-	34	2	-	2	36	-	36
24/9/14	RY	Microfinance and its impact in Agricultural practices	Agril. Econ.		1	Off	5	-	5	20	-	20	25	-	25
15/10/14	F/FW	Formation and Management of SHG		Formation and Management of SHGs	1	Off	23	-	23	3	-	3	26	-	26
29/9/14	F/FW	Formation and promotion of SHGs for economic sustainability			1	Off	5	2	7	15	3	18	20	5	25
18/2/15	RY	Farm Book Keeping(2 nos.)			1	Off	32	2	34	2	-	2	34	2	36
					1	Off	14	-	14	15	-	15	29	-	29
29/1/15	F/FW	Marketing of Agricultural produce			1	Off	14	-	14	15	-	15	29	-	29
10/10/14 & 11/10/14	F/FW	Rice fish farming	Fisheries Sc.	Integrated fish farming	2	Off	18	-	18	18	10	28	36	10	46

18/10/14	RY	Composite fish farming (2 nos.)		Composite fish culture	2	Off	3	-	3	24	-	24	27	-	27
30/10/14						Off	12	-	12	13	-	13	25	-	25
7/11/14	F/FW	Fish health management		Fish health management	1	Off	23	-	23	3	-	3	26	-	26
27/11/14	F/FW	Fish livestock farming (2 nos.)		Integrated fish farming	2	Off	34	-	34	2	-	2	36	-	36
28/11/14						Off	-	-	-	25	-	25	25	-	25
19/1/15	FW	Nutritional Care during Pregnancy and lactation	Home Sc.	Women and child care	1	Off	-	10	10	-	15	15	-	25	25
11/2/15	RY	Seasonal pickle making (2 nos.)		Value addition	2	Off	-	8	8	-	18	18	-	26	26
13/2/15						Off	-	9	9	-	19	19	-	28	28
25/2/15	FW	Importance of stimulation during infancy		Women and child care	1	Off	-	4	4	-	21	21	-	25	25

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

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

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, KisanMela, Exhibition, Diagnostic Visit, etc) during 2014-15

Sl. No.	Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Field Day	Rice-fish farming 25/11/14	1	8	7	15	12	9	21	-	-	-	20	16	36
		Composite fish farming 10/02/14	1	-	-	-	29	21	50	2	-	2	31	21	52
2	Diagnostic visit	2/4/14 10/4/14 7/5/14 15/5/14 22/5/14 3/6/14 11/6/14 2/7/14 18/7/14 6/8/14 26/8/14 10/9/14 26/9/14 9/10/14 21/10/14 12/11/1 20/11/14 16/12/14 30/12/14 6/1/15 13/1/15 5/2/15 9/2/15 2/3/15 6/3/15	25	62	5	67	96	17	113	-	-	-	158	22	180
3	Radio talk	Agril. Cultivation practice for the month of	1												

		April (7/4/14)													
		Composite fish farming (9/7/14)	**2**												
		Rice-fish farming (1/8/14)	**1**												
		Soil testing & its managemen t (19/8/14)	**1**												
		Scientific cultivation practices of Rapeseed & mustard (30/9/14)	**1**												
		Agril cultivation practices for the month of Oct-Nov (30/9/14)	**1**												
		Start commercial pisciculture (7/11/14)	**1**												
		Measures to be taken to increase the soil fertility (25/11/14)	**1**												
		Rice-fish farming (19/2/15)	**1**												
		Scientific cultivation practices of jute (9/3/15)	**1**												
		Cultivation practices for ginger & turmeric (9/3/15)	**1**												

4	TV talk	**Fish disease and its remedy 31/12/15**	**1**												
5	World Environment day celebration	**World Environment day celebrated on 5th June, 2014**	**1**												
Grand Total															

* Example for guidance only

3.5 Production and supply of Technological products during 2014-15

a. SEED MATERIALS

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

SUMMARY

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS			
2	OILSEEDS			
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
TOTAL				

b. PLANTING MATERIALS (Nos. in lakh)

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

SUMMARY

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

c. BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(qt)		
BIOAGENTS						
BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						

SUMMARY

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

d. LIVESTOCK

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

SUMMARY

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

3.6. Literature Developed/Published (with full title, author & reference) during 2014-15

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

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers			
1.			
2.			
3.			
Training manuals			
Technical reports			
1.			
2.			
3.			
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
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
1	CD	**Climate change & mitigation**	**1**
2	CD	**Rice-Fish farming**	**1**
3	CD	**KVK, Udalguri at a glance**	**1**
4	CD	**Google drive & its use**	**1**

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

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
- Rural Youth
- Inservice personnel

3.11 Field activities

i. Number of villages adopted: 1

ii. No. of farm families selected: 25

iii. No. of survey/PRA conducted: 2

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment :

2. List of equipments purchased with amount :

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

3. Details of samples analyzed so far :

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

4.0. IMPACT

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

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

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

5.0. LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. RSETI, SBI Udalguri	Training-Demonstration
2. ABSU, Udalguri	Training-Demonstration-Farmer's scientist interaction – Awareness Programme
3. SIRD	Training
4. District Fishery Development Office, Darrang & Udalguri	Training-Demonstration
5. KASS and NASS, Udalguri	Training-Demonstration-Field visit
6. DAO, Udalguri	Training-Field Day-Field visit
7. ASSCA, Udalguri	Training
8. ATMA, Udalguri	Training-Farmer's scientist interaction

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 2014-15

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

Sl. No.	Programme	Nature of linkage	Remarks
1	Training	Scientist-Farmer interaction	
2	Field Visit	Farmers problems in crops	

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 2014-15

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	

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	14/7/14	17/11/14	1 ha	Ranjit		22 q	29930		
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Sesamum	9/9/2014	14/11/2014	0.5 ha	ST-163		40 kg	10000.00	Not sold	
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

6.5 Utilization of hostel facilities (Month-Wise) during 2014-15

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	Account Number
With Host Institute			
With KVK	State Bank of India	Rowta, Udalguri	33659377112

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, 2014
	2010–11	2011-12	2012-13	2013-14	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2014 -15 (as on 1st March 2015)

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	44.20	43.30	43.30
2	**Traveling allowances**	1.75	1.35	1.35
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	9.50	6.25	6.25
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)				
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.4 Status of revolving fund (Rs. in lakhs) for last four 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 2011 to March 2012				
April 2012 to March 2013				
April 2013 to March 2014				
April 2014 to March 2015	100000	-	29,930.00	70070.00

Note: No KVK must leave this table blank

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

8.1 Constraints

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

Programme Coordinator
KVK, Udalguri