ANNUAL REPORT

(for the year 2013-14)

(Submitted in Annual Zonal Workshop of KVKs, 2013-14 held during 28 – 30 May, 2014 at C.VSc., Khanapara)

KRISHI VIGYAN KENDRA, NAGAON

Assam Agricultural University
Shillongani- 782002, Nagaon (Assam)

(May, 2014)

PROFORMA FOR ANNUAL REPORT OF KVKs, 2013-14

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Assam Agricultural University, Shillongani- 782002, Nagaon Assam	03672– 225384	03672-225384	kvknagaon@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat, Assam 785013	0376-2340013	0376-2340001	vc@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. B. Guha	RARS, Shillongani, Nagaon	9435360376	kvknagaon@gmail.com biswajitguha2007@rediffmail.com

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

1.5. Staff Position (As on 31st March, 2014)

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. B. Guha	i/c PC	Agronomy	37400-67000	70670	25.06.12	In charge	Gen
2	Subject Matter Specialist	Ms. Anjumala Deka	SMS	Agronomy	15600-39100	25050	06.11.08	Permanent	OBC
3	Subject Matter Specialist	Dr. Chandan Kr. Deka	SMS	Extn. Education	15600-39100	27320	07.11.08	Permanent	Gen
4	Subject Matter Specialist	Ms. Sibani Das	SMS	Horticulture	15600-39100	23610	10.11.08	Permanent	SC
5	Subject Matter Specialist	Ms. Priyanka Nath	SMS	Home Science	15600-39100	25050	12.11.08	Permanent	OBC
6	Subject Matter Specialist	Ms. Devanushi Dutta	SMS	Plant Pathology	15600-39100	21000	30.01.14	Permanent	Gen
7	Subject Matter Specialist	Ms. Seema Bhagowati	SMS	Soil Science	15600-39100	25050	10.11.08	Permanent	Gen
8	Programme Assistant	Mr. Dhiren Nath	P A	Fishery Sc.	8000-35000	21190	23.11.08	Permanent	OBC
9	Computer Programmer	Mr. Deepak Kr. Goswami	P A (Comp.)	Computer	8000-35000	17300	01.12.08	Permanent	Gen

10	Farm Manager	Mr. Jayanta Kr. Dutta	Farm Manager	Extn. Education	8000-35000	16790	16.01.09	Permanent	OBC
11	Accountant / Office Supdt.	Vacant	-	-	-	-	-	Permanent	-
12	Stenographer	Miss Pranita Deka	Jr. Steno cum computer operator	-	5200-20200	8760	21.02.12	Permanent	OBC
13	Driver	Mr. Mahesh Senapati	Driver	-	5200-20200	7940	05.01.10	Permanent	OBC
14	Driver	Mr. Robin Borah	Driver	-	5200-20200	7940	14.03.12	Permanent	OBC
15	Supporting staff	Mr. S. Bora	Grade-IV	-	5200-20200	10620	01.03.06	Permanent	OBC
16	Supporting staff	Mr. B. Deka	Grade-IV	-	4560-15000	90720	01.03.06	Permanent	OBC

1.6. a. Total land with KVK (in ha) : **13.0 ha**
b. Total Cultivable Land with KVK (in ha) : 8.0 ha
c. Total cultivated land (in ha) : 7.5 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.86 ha
2.	Under Demonstration Units	1.1 ha
3.	Under Crops (Cereals, Pulses, Oilseeds,etc)	7.44 ha
4.	Under Vegetables	0.06 ha
5	Under Agro forestry unit	0.36 ha
6	Others	
6.1	Uncultivable land near boundary wall, buildings, fishery unit & roads and drains,	2.06 ha
6.2	Under roads and drains	
6.3	Cultivable land	8.5 ha
	Total	**13.0 ha**

:

1.**7. Infrastructural Development:**

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	Presently Attached with RARS, Shillongani (Construction of New Administrative building of KVK, Nagaon is going on at Shimaluguri farm)						
2.	Farmers Hostel	Presently Attached with RARS, Shillongani						
3.	Staff Quarters (6)	Presently Attached with RARS, Shillongani						
4.	Demonstration Units (8 Nos)	RKVY	Mar, 2012	-	-	-	-	Completed
5	Fencing	-	-	-	-	-	-	-
6	Threshing floor	RKVY	-	-	-	-	-	Completed
7	Farm godown	RKVY	Mar, 2012	-	-	-	-	Completed
8	New storage Godown	RKVY	Construction going on					30 % completed

B) Vehicles

Type of	Regd.No.	Year of	Cost (Rs.)	Total kms.	Present status

vehicle		purchase		Run	
Jeep	AS-03E 0035	2006	490503.00	96598	Good
Tractor	AS-02B 2704	2003	297213.00	3650 (meter not working at present)	Not working properly needs replacement of a new tractor along with a tractor trolley.

C) Equipments & AV aids

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

List of farm equipment	Year of purchase	Cost (Rs.)	Remarks
Power tiller	2009	273022.00	Good
Motorized Knapsack	2009	22360.00	Good
Mechanized brush cutter	2009	28000.00	Good
Multipurpose Power weeder	2009	42078.00	Good
Power paddy weeder	2009	36254.00	Good
Earth Augar	2009	56749.00	Good
8 row self propelled rice transplanter	2009	188198.00	Good
Knapsack power duster back cushion and padded shoulder strap	2009	7696.00	Good
Knapsack Sprayer (Brass)-16 lits.	2009	2100.00	Good
Rota vator	2009	191610.00	Good
Fingerling catching net	2009	19912.00	Good
Drag net	2009	42300.00	Good
Pump set	2009	17670.00	Good
Disc Harrow	2009	35256.00	Good
Disc plough	2009	27030.00	Good
Puddler	2009	25896.00	Good
Chaft cutter	2009	15496.00	Good
Spring tyne cultivator	2009	29744.00	Good
Power sprayer pump	2009	9708.00	Good
Accessories of power tiller	2009	112820.00	Good
Monoblock Pumpset	2009	3744.00	Good

Paddle operated paddy thresher	2009	11250.00	Good
Seed Cleaner	2009	325476.00	Good
Sprinkler irrigation system	2009	71000.00	Good
Wheel barrow	2010	5175.00	Good
Sealing Machine	2012	2838.00	Good
Dripkit	2012	958.00	Good

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	**25.3.2014**	Dr. G.N. Hazarika, DR(Agri) , AAU, Jorhat	1. Tying up KVK system with State Department of Agriculture to bring visibility to KVK System under the light of Participatory Technology development. 2. Taking up double cropping/ triple cropping in farmers field 3. Maintaining data base management system and to develop information management system through programme Assistant of KVK. 4. Giving emphasis on cultivation of grass, maize 5. Appointing SMS on Animal Sc in KVK 6. Commercialization of black polythene mulch in farmer's field. 7. Taking up of OFT/FLD on Jalasree and Jalkuwari and Swarna-Sub 1 variety. 8. Giving emphasis on Tissue culture Malbhog Variety. 9. Taking Amla candy preparation under OFT/ FLD Home Sc. 10. Emphasis on Women empowerment for child Development 11. Emphasis on popularization of use of Maize Sheller in Maize growing areas. 12. Incorporation of greengram and Blackgram under OFT/ FLD 13. Taking up Sali-rice – Fish culture in low lying roadside areas of Nagaon district. 14. Giving demonstration on TPS production, Amla candy preparation and	**Action taken on suggested issues in last year SAC meeting (18.3.2013)** 1. Farm machinery demonstration well as were arranged for farmers in KVK farm as well as in farmer's field. 2. SRI demonstration were given in farmers field by KVK 3. Sali rice transplanted were advanced to June to accommodate second crop like toria in KVK farm 4.Knowledge on recent Technologies were disseminated through Radio, TV talks etc 5. An Agro forestry model has been developed in KVK farm. 6. Demonstration on Hybrid maize with QPM were taken up by KVK 7. Demo cum production unit on floriculture has been developed in KVK farm.
2		Dr. Apurba Chakraborty, DR(Vety), AAU, Khanapara		
3		Dr. Utpala Goswami, SES, DoEE, AAU, Jorhat		
4		Dr. M. Sarma, SES, , DoEE, AAU, Jorhat		
5		Dr. R. Bordoloi, Pr. Scientist , ZPD-III, Umiam		
6		Mr. P. Rongpi, Asstt. Director of Agriculture(Agronomy), Nagaon		
7		Dr. B. Guha, Programme Coordinator, KVK, Nagaon		
8		Dr. B.N Sarma, Asstt. Director of Agriculture(Zonal), Nagaon		
9		Dr. K.K. Baruah, OSD i/c Associate Dean COF, Raha		
10		Mr. G. Barman, DDM, NABARD, Nagaon		
11		Mr. P.K.Medhi, ADO, Agriculture, Nagaon		
12		Mr.Abu Sufian, AFIO for DFDO, Nagaon,		
13		Mr. A, Bhattacharjja, FO, IFFCO, Nagaon		
14		Mr.Bedabrata Raja, Staff Reporter, Nagaon		
15		Mr.Mazidul Islam, Reporter, Khabar		
16		Mr. Parag Jyoti Hazarika, Staff Reporter, Nagaon talks.		
17		Mr. Dibyajyoti Saikia, Farmer, Dakarghat, Nagaon		
18		Mr. Mani Deka Doloi, Farmar,Gandhibori, Nagaon		
19		Mr. Munindra Nath, Jamuguri, Nagaon		
20		Mr. Nupur Nath, Jamuguri, Nagaon		
21		Mrs. Rinku Dutta Saikia, Women Entrepreneur, (Secretary, *Sonai Mahila Dugdha Utpadak Samiti,* Nagaon)		
22		Mrs. Nijara Bora, Women Farmer, Bahuabheti, Nagaon		
23		Mr. Mukut Deka, Secy, Gramya Unnayan Sansthan,(NGO), Choto Haiborgaon, Nagaon		

24		Scientist of RARS, Shillongani and KVK, Nagaon	improved sugarcane variety 15. Training on Honey bee rearing.	8. District Profile of Nagaon has been prepared

Attach a copy of SAC proceedings along with list of participants

Proceeding of Scientific Advisory Committee Meeting held on 25th March, 2014

Krishi Vigyan Kendra, Nagaon

Time: 2 pm

Members Present:

1. Dr. G. N. Hazarika, Director of Research, AAU, Jorhat-13
2. Dr. R. Bordoloi, Principal Scientist, ZPD, Zone-III, ICAR
3. Dr. A. Chakravarty, Director of Research, Veterinary
4. Dr. K. K. Borah, OSDS i/c Assoc. Dean, CoF, Raha
5. Dr. Utpala Goswami, Senior Extension Specialist, Director of Extension Education, AAU, Jorhat
6. Dr. M.K. Sarmah, Senior Extension Specialist, Director of Extension Education, AAU, Jorhat
7. Dr. B.N. Sarma, Asstt. Director of Agriculture (Zonal), Nagaon.
8. P. Rongpi, Asstt. Director of Agriculture (Agronomy), Nagaon
9. P.K. Medhi, ADO, Dagaon Circle
10. Abu Sufian, AFIO, Fishery Department, Nagaon
11. A. Bhattacharyya, FO, IFFCO
12. G. Barman, DDM, NABARD
13. Parag Jyoti Hazarika, Staff Reporter, Nagaon Talks
14. Bedabrata Raja, Staff Reporter, Nagaon
15. Mazidul Islam, Reporter, *Khabar*
16. Rinku Dutta Saikia, Secretary, *Sonai Mahila Dugdha Utpadak Samiti.*
17. Mukut Deka, Secretary, *Gramya Unnayan Santha* (NGO)
18. Dibyajyoti Saikia, Farmer, Dakarghat
19. Moni Deka Doloi, Farmer, Gandhibari
20. Munindra Nath, Farmer, Jamuguri
21. Mr. Nupur Nath, Jamuguri, Nagaon
22. Mrs. Nijara Bora, Women Farmer, Bahuwabheti, Nagaon

The Scientific Advisory Committee (SAC) meeting of KVK, AAU, Nagaon was held on 25th March, 2014. A sum total of 20 members attended the meeting. The committee reviewed the progress of the activities and achievements and offered necessary guidance/suggestions to improve the functioning of KVK.

The Hon'ble Director of Research, AAU and chairman, SAC Dr. G.N. Hazarika extended a warm welcome to the distinguished invitees. The Director of Research in his opening remarks highlighted the role of Krishi Vigyan Kendra in bridging the gap between research outputs and farmers. He suggested tying up KVK system with State Department of Agriculture to bring visibility to KVK system under the light of Participatory Technology Development (PTD) and there should be linkage among farmers, scientist and social scientist for proper implementation of technologies in farmer's field. Honorable Director of Research also emphasized on to take double cropping even triple cropping in farmers field which is feasible in Nagaon District.

Dr. Utpala Goswami, Senior Extension Specialist, Director of Extension Education, AAU in her welcome address offered heartiest welcome to the Director of Research (Agri) and acting Vice-Chancellor, AAu and other distinguished personalities, elaborated the mandates of KVK and purpose of holding SAC meeting.

Dr. R. Bordoloi, Principal Scientist, ZPD, Zone-III, ICAR while addressing the meeting appreciated the KVK System as knowledge resource information centre. He elaborated the role of KVK and very purpose of holding SAC meeting. He suggested to up to date data base management system and to develop information management system through Programme

Assistant of KVK. Dr. Bordoloi also stressed upon collaborative work with open minded to disseminate tested technology on farmer's field.

Dr. A. Chakravarty, DR, Veterinary, Khanapara highlighted probable sectors to improve veterinary production in Nagaon District. He suggested to give importance in fodder cultivation, maize cultivation under RKVY scheme. He also mentioned about the immense potentiality of fishery and broiler cultivation in different localities of Nagaon district. He also suggested appointing a SMS on animal science in all KVK.

Dr. B.C. Guha, Chief Scientist cum Programme Co- coordinator, KVK, Nagaon presented the action taken report on the proceeding report of the last SAC meeting held on 18th March, 2013. He also presented the Annual Progress Report of the KVK for the period April, 2013 to March, 2014 along with annual action plan for 2014-2015. While reacting to the Annual Report a few suggestions were proposed by the house. These are as follows

a) Location wise individual data against each treatment should be incorporated in all the OFT results**.**

b) Regarding OFT on Horticulture, it was proposed to give emphasis on commercialization of black polythene mulch in farmer's field. Suggestion was given to take more than one variety on onion. It was also proposed that Gerbera should be grown in low cost poly house in KVK Farm.

d) Honorable Director of Research appreciated the FLD on direct seeded Sali rice cultivation in farmers' fields. He asked to give emphasis on this type of technology. He also suggested to take OFT/ FLD on Jalashree, Jalkuwari and Swarna Sub-1 variety.

Regarding the proposed Action Plan for 2014-15, the following suggestions were made by the house

a) Under Horticulture it was proposed to take normal recommended variety in OFT on Cabbage and to give emphasis on tissue culture of *Malbhog* variety. In case of FLD on nutritional gardening data should be collected upto health improvement level.

b) House proposed to incorporate Amla candy preparation under Home Science OFT/FLD and exclude FLD on tea plucking basket since it is expensive and there is little scope to commercialize the product in Nagaon district. The house suggested giving more emphasis on women empowerment and child development. House also suggested that value addition of certain products should be specific not only in taste but also in type of packaging etc. House suggested on bringing a few more maize Sheller under FLD on "Popularization on use of Maize Sheller in Maize growing areas".

c) Seed production of greengram and blackgarm should be incorporated under OFT/FLD.

Comments from the members

Dr. B.N. Sarma, Asstt. Director of Agriculture (Zonal), Nagaon, stressed on tying up KVK system with State Agriculture Department which will help in taking need based OFT/FLD in a particular location.

Abu Sufian, AFIO, Fishery Department, Nagaon, suggested incorporating Sali rice-cum-Fish culture in low lying roadside areas of Nagaon District. He also proposed a method demonstration on *Magur* Culture in 2×3 meter cemented pool where Fishery Department will provide necessary help.

G. Barman, DDM, NABARD suggested that they can arrange to provide fund for exposure visit of farmers.

Rinku Dutta Saikia, Secretary, *Sonai Mahila Dugdha Utpadak Samiti,* Nagaon elaborated the benefits received from both KVK and RARS. She shared her experiences in Dairy farming, fishery, duckery and of field crops. She informed the house that dairy is one of the most remunerative enterprise. She duly acknowledged the services of KVK, in their activities.

A few proposals were requested by Sri **Mukut Deka,** Secretary, *Grammya Unnayan Sansthan* (NGO) to give method demonstration on TPS production, Amla candy preparation and improved sugarcane variety especially for chewing purpose. He also proposed to give training on honey bee rearing.

The meeting ended with vote of thanks from Mrs. A. Deka, SMS KVK, Nagaon.

2. DETAILS OF DISTRICT

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

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

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

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

2.3 Soil type/s

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

3	Fine Dystric Eutrochrepts	Very deep, moderately well drained, fine soils occurring on undulating upland having loamy surface with moderate erosion hazards.	113.6
4	Fine Aeric Haplaquepts	Very deep, moderately well drained, fine soils occurring on very gently to gently sloping plain having clayey surface with slight erosion and slight flood hazards.	237.9
5	Coarse loamy Aquic Udifluvents	Very deep, imperfectly drained, coarse loamy soils occurring on gently sloping plain having coarse loamy surface with very slight erosion hazards.	257.9
6	Fine loamy Aquicn Dystric Eutrochrepts	Very deep, moderately well drained, fine loamy soils occurring on very gently sloping plain having loamy surface with slight erosion and slight flood hazards.	261.3
7	Fine Ruptic Alfic Eutrochrepts	Very deep, moderately well drained, coarse loamy soils occurring on undulating upland having sandy surface with severe erosion hazards.	25.3
8	Fine loamy Typic Dystrochrepts	Very deep, well drained, fine loamy soils occurring on gently sloping to undulating upland having loamy surface with moderate erosion hazards.	190.9
9	Fine loamy Typic Dystrochrepts	Very deep, well drained, fine loamy soils occurring on undulating upland having loamy surface with slight erosion hazards.	18.2
10	Fine loamy Aeric Haplaquepts	Very deep, poorly drained, fine loamy soils occurring on gently sloping sub due plain having clayey surface with slight erosion hazards	52.1
11	Fine silty Aeric Haplaquepts	Very deep, poorly drained, fine silty soils occurring on nearly leveled flood plain having loamy surface with slight erosion and moderate flood hazards.	65.5
12	Coarse loamy Typic Fluvaquents	Deep, poorly drained, coarse loamy soils occurring on nearly leveled flood plain having loamy surface with slight erosion and moderate flood hazards.	105.0
13	Coarse silty Typic Udifluvents	Deep, well drained, coarse silty soils occurring on active flood plain having loamy surface with moderate erosion and severe flood hazards.	161.9

2.4 (a). Area, Production and Productivity of major crops cultivated in the district (2013-14)

Sl. No	Crop	Area (ha)	Production (MT)	Productivity (q/ha)
1	Winter rice	157685	441688	28.01
2	Summer rice	59562	262600	44.09
3	Autumn rice	28426	91748	32.28
4	Wheat	6121	7980	13.04
5	Jute	13507	30313	22.44
6	Sugarcane	4686	221647	472.99
7	Green gram	2314	3806	16.45
8	Black gram	4347	2739	6.30
9	Pea	3130	2316	7.40
10	Lentil	1657	961	5.79
11	Toria	19058	16390	8.60
12	Sesamum	1439	762	5.29

(b) Area, Production and Productivity of major Horticultural crops cultivated in the district (2013-14)

Sl. No	Crop	Area (ha)	Production (MT)	Productivity (q/ha)
	Fruits			
1	Banana	4700	67915	144.5
2	Pineapple	1880	27824	148
3	Orange	175	1736	99.2
4	Papaya	2000	24000	120
5	Assam Lemon	2350	15628	66.5
6	Guava	290	4715	162.6

7	Litchi	340	1180	34.7
8	Jackfruit	2280	43776	192
9	Mango	145	1382	95.5
10	Potato	8000	68000	85.0
11	Sweet potato	5105	801	100.1
12	Tapioca	26	110	42.14
	Spices			
13	Chilli	1550	977	6.3
14	Turmeric	1770	1142	6.45
15	Onion	1200	2448	20.4
16	Ginger	700	6720	96
17	Garlic	850	3591	42.25
18	Black pepper	190	272	14.3
19	**Kharif vegetables**	9400	103306	109.9
20	**Rabi vegetables**	14350	182963	127.5
	Plantation crops			
21	Coconut	5240	94885	0.93
22	Arecanut	6350	4454	1.4

2.5. Weather data (2013-14)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan, 2013	0.0	24.1	9.6	75
Feb, 2013	7.0	28.2	12.6	71
Mar, 2013	51.2	30.3	17.1	75
Apr, 2013	39.0	31.2	19.2	75
May, 2013	221.5	30.7	23.1	85
June, 2013	191.1	34.0	25.8	84
July, 2013	480.1	33.1	26.1	82
Aug, 2013	391.4	33.1	25.9	82
Sep, 2013	178.8	32.6	25.7	81
Oct, 2013	48.8	30.5	22.8	83
Nov, 2013	0.0	27.7	15.6	76
Dec, 2013	6.4	24.3	12.8	78
Jan, 2014	1.0	23.9	11.3	77
Feb, 2014	19.5	24.8	12.9	71
Mar, 2014	27.9	28.5	16.7	64

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

Category	Population	Production	Productivity
Cattle			
Crossbred	56,771	10529130 lit	2.13lit/da
Indigenous	8,02,443	28354101 lit	0.628lit/da
Buffalo	12,663	5996903 lit	8.71lit/da
Sheep			
Crossbred			
Indigenous	12,395	3882 kg	20kg/yr
Goats	3,56,954	393860 kg	20kg/yr
Pigs			
Crossbred	16,363	309538 kg	
Indigenous	58,510		65kg/yr
Rabbits	27		
Poultry			
Hens			
Desi	1176122	Egg: 18416746 nos.,	Egg: 70nos./year, Meat: 2.62
Improved	10674	Meat: 282203 kg	Egg: 150nos./year, Meat: 2.65
Ducks	505585	Egg: 8920483 nos Meat: 51588 kg	Egg: 80nos./year, Meat: 2.60
Turkey and others			

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

2.6.1 Details of Operational area / Villages

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Nagaon	Raha	Metaka	Rice, Green gram, Toria, Fishery	Gaps in adoption of improved production practices	1.Introduction of improved varieties 2.Productivity Enhancement 3.Nutrient Management 4.Fish Production,
2.	Nagaon	Lumding	Kaki	Sali rice, plantation crop	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management
3.	Nagaon	Lumding	Rani pukhuri	Sali rice, vegetables, dairy	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management
4.	Nagaon	Samaguri	Purani Gudam	Rice,Toria,vegetables, Fishery	-do-	1. Nutrient Management 2.Integrated Pest Management 3.Fish Production, 4. Entrepreneurship Development 5. Fish Production,
5.	Nagaon	Kathiatali	Rangalu	Rice, Vegetables, Fishery	-do-	1. Nutrient Management 2.Integrated Pest Management 3. Livestock management, 4. Entrepreneurship Development 5. Fish Production,
6.	Nagaon	Bajiagaon	Naam Koroiani	Rice, Toria, pulses	-do-	1. Nutrient Management 2. Integrated Pest Management 3..Fish Production, 4. Entrepreneurship Development
7.	Nagaon	Bajiagaon	Telia Pahukata	Rice, Toria, Green gram,	-do-	1.Nutrient Management 2.Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops,
8.	Nagaon	Khagorijan	Amtola	Paddy,Vegetables, Fishery	-do-	1.Nutrient Management 2. Integrated Pest Management 3.Fish Production,

9.	Nagaon	Kaliabar	Naltoli	Rice,jute, Dairy, Fishery	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4.Emphasis on Pulses and Oilseeds crops, 5.Livestock management 6. Fish Production,,
10.	Nagaon	Raha	Dubaritoli	Sugarcane, Pulses, Fishery	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4. Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops 6. Fish Production,,
11.	Nagaon	Dalonghat	Juria	Rice,Jute	-do-	1. Nutrient Management 2. Integrated Pest Management 3.Fish Production, 4. Entrepreneurship Development 5. Fish Production,
12.	Nagaon	Kathiatali	Kathiatoli	Pulses, Sugarcane	-do-	1.Introduction of improved varieties, 2. Nutrient Management 3. Integrated Pest Management 4. Entrepreneurship Development
13.	Nagaon	Raha	Niz Dimow	Fishery, Rice	-do-	1.Introduction of improved varieties 2. Nutrient Management 3. Integrated Pest Management 4.Fish Production,
14.	Nagaon	Khagorijan	Kashamari	Rice, Vegetables, Pulses	-do-	1.Productivity Enhancement 2. Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops
15.	Nagaon	Khagorijan	Raidongia	Rice, Pulses, Oilseeds	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4.Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops, 6. Entrepreneurship Development

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

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2013-14

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	4	4	8	8	3	3	12	27
Horticulture	5	6	14	15	4	4	10	10
Home Sc.	1	1	10	10	2	2	16 FW	16 FW
Soil Sc.	4	6	8	14	2	2	6	8
Plant Protection	-	-	-	-	2	1	2	2

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	42	33	1050	905	27	23	4500	3751
Rural youth	9	12	175	282				
Extn. Functionaries	9	9	175	233				

Seed Production (q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
Sali Rice(var.-Ranjit) = 99 qtl	126 qt	Gerbera -50 no	50 no
Boro Rice(var. Swarnav) = 3.84 qt	3.84 qt	Gladiolus – 50 no	100 no
Blackgram : 4 qt	3.8qt	Marigold -nil	I000
Green Gram(Pratap)= 5.00 qtl	4.63 qt	French marigold -nil	200
Sesamum , Target: Nil	0.70 qt	Turmeric- 1qt	1.5 qt
Dhaincha, Target: Nil	3.82 qt		
Toria(var.- TS-38) = 33 qtl	20.0 qt	Brinjal-Nil	150
Jute seed Target: 3 qt	3.09 qt	Brocolli-Nil	200

3.B. Abstract of interventions undertaken during 2013-14

S. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
Agronomy									
1	Varietal performance	Sali rice var. TTB-404, Mulagabharu, Satraranjan	Low Yield	Performance of improved mediun duration Sali rice varieties.	NA	-	NA	-	Seeds, fert. & pesticides
2	Varietal performance	Blackgram var PU-31	Low Yield	Performance of improved variety of blackgram in kharif season	NA	-	NA	-	Seeds, fertilizers & pesticides

3	Varietal performance	Hybrid Boro rice Var: Arize prima Arize 6444 Gold Arize Tej	Low Yield	Performance of hybrid boro rice varieties	NA	-	NA	-	Seeds, fert. & pesticides
4	Production Technology	Boro rice Var. Swarnabh	Low Yield	SRI practice in boro rice var. Swarnabh	NA	-	NA	Method demonstration	Seeds, fertilizers & pesticides
5	Varietal performance	Sali rice Var. 1. Ciherang Sub-1 2. IR-64 Sub-1 3.Swarna Sub-1	Water submergence problem	NA	Performance of submergence tolerant salirice varieties	-	NA	-	Seeds, fert. & pesticides
6	Varietal performance	Maize var. RCM-76	Low Yield	NA	Performance of maize during kharif season	-	NA	-	Seeds, fertilizers & pesticides
7	Production Technology	Sali rice var Ranjit	Low Yield	NA	SRI practice in Sali rice	-	NA	Method demonstration	Seeds, fertilizers & pesticides
8	Production Technology	Sali rice var. Ranjit	1. Water scarcity & labour problem. 2. Late sowing of rabi crop due to late harvest of Sali rice	NA	Performance of direct seeded Sali rice var. Ranjit	-	NA	-	Seeds, fertilizers & pesticides
Horticulture									
9	Weed management	Tube rose	Low yield Due to weed infestation	Use of black polythene mulch for year round and quality flower production	NA	Improved production Technology of tube rose	NA	Training, Demonstrations, field visit	Bulbs, Mulch material, fertilizers & plant protection.

10	Varietal performance	French bean	Rust, blight, Low yield	Performance evaluation of French bean variety Arka Anoop	NA	Improved production Technology of French bean	NA	Training, Demonstration ,field visit	Seeds, fertilizers & pesticides
11	Varietal performance	Tomato	Low yield	Performance evaluation of tomato var Megha	NA	Improved production Technology of Tomato	NA	Training, Demonstration ,field visit	Seeds, fertilizers & pesticides
12	Productivity enhancement	Banana	Poor growth of bunch & fingers	Direct feeding of nutrients to banana bunch after denavelling	NA	Improved production Technology of Banana , denavelling technique	Direct feeding of nutrients to banana bunch after denavelling	Training, Demonstration ,field visit	Fertilizers & pesticides
13	Integrated nutrient management	Cabbage	Indiscriminate use of chemical fertilizers	Integrated nutrient management in Cabbage	NA	Improved production Technology of Cabbage	NA	Training, Demonstration ,field visit	Seeds, Bio fertilizers, Rockphosphate,Vermicompost , plant protection
14	Seed production	Onion	No seed production reported till now	Effect of planting time and crop geometry on onion seed production	NA	Seed production by bulb to seed method	NA	Training, Demonstration ,field visit	Bulbs, Fertilizers , plant protection
15	Varietal Performance	Gerbera	Lack of knowledge , awareness on varieties of gerbera	NA	Varietal Performance of Gerbera Variety Redgem	Improved production Technology of Gerbera	NA	Training, Demonstration ,field visit	Suckers, fertilizers & pesticides
16	Multiple Cropping	Arecanut, Banana, Ginger, Black pepper	Improper utilization of Space	NA	Arecanut based cropping system	Multiple Cropping	NA	Training, Demonstration ,field visit	Planting Materials, fertilizers & pesticides ,

17	Canopy management in Assam lemon	Assam Lemon	Lack of awareness on training & Pruning & nutrient management	NA	Training and pruning and nutrient management in Assam Lemon	Training and pruning and fertilizer application in Assam Lemon	NA	Training, Demonstration ,field visit	Fertilizers, micronutrient, plant protection.
18	Varietal Performance	Turmeric	Low yield	NA	Performance of turmeric var Megha	Production technology of Turmeric	NA	Training, Demonstration ,field visit	Rhizome, fertilizers, Plant protection
Home Science									
19	Drudgery Reduction	Vegetables	Drudgery	Use of Women friendly tools – 1. Circular Blade Weeder, 2. Improved Garden Rake, 3.Hand Fork	NA	Use of the Tools	NA	Measuring of parameters, Demonstration on the use of tools	Distribution of tools
20	Small Scale income generating enterprises	Ginger	Lack of processing of fresh ginger	NA	Popularization on preparation of Ginger Candy in the district	Preservation of Ginger	NA	Method demonstration on the preparation of Ginger Candy	Ginger, Sugar, Citric Acid etc.
21	Utilization of waste materials	Neem	Lack of knowledge on the use of Neem leaves for use as pesticides	NA	Popularization on the use of neem leaf extract as pesticide	-	NA	Method demonstration on the preparation of neem leaf extract as pesticide	Sticker
Soil Science									
22	Soil health	Rice	Unavailability of biofertilizers in local market	INM in rice-rice cropping system	-	INM	INM	-	Seeds, fertilizers, biofertilizer

23	Nutrient management	Rice	Unavailability of biofertilizers in local market	Nutrient management in rice-rice cropping system with 50%NP + Full K + Enriched compost	-	INM	INM	Demonstration on biofertilizers application	Seeds, fertilizers, biofertilizer
24	Soil amendments	Black gram	Unavailability of lime in local market	Effect of lime and fertilizer in kharif black gram	-	Acid soils and lime application	-	-	Lime, seeds, fertilizers
25	Soil health	-do-	Unavailability of biofertilizer in the local market	Effect of biofertilizer in kharif blackgram	-	-	-	Demonstration on biofertilizer application	Seeds, biofertilizers, fertilizers
26	Soil health	Greengram	-do-	Effect of biofertilizer in kharif greengram	-	-	-	Demostration on biofertilizer application	Seeds, biofertilizers, fertilizers
27	Use of micronutrients	Rice	High cost of Zinc fertilizer	MLT for testing of developed packages of Zinc on Rice	-	-	-	-	Seed, fertilizers
28	Soil amendments	*Toria*	Unavailability of lime in the local market	-	Lime application in *toria*	Acid soils and lime application	-	-	Lime, seeds, fertilizers
29	Nutrient management	Rice	Unavailability of rockphosphate and biofertilizer in the local market	-	Nutrient management in rice with 50% NP + Full K + Enriched compost (1 ton/ha)	-	-	-	Compost, seeds, fertilizers
Plant protection									
30	Pest Management	Rice	Pests of rice	Use of T-Perch technology in rice	Use of T-Perch technology in rice field	IPM	-	-	T-perch

3.1 Achievements on technologies assessed and refined

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation	6	-	1	-	French bean, Tomato	-	-	-	-	9
Seed / Plant production	-	-	-	-	Onion	Banana	-	-	-	2
Weed management	-	-	-	-	-	-	Tube rose			1
Integrated Nutrient Management	2		2		Cabbage	-	-	-	-	5
Drudgery reduction	-	-	-	-	Vegetables Garden tools	-	-	-	-	3
Farm machineries	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	1	-	-	-	-	-	-	Neem	-	1
Soil amendment	-	-	1	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	Ginger	1
TOTAL	**9**	**-**	**4**	**-**	**7**	**1**	**-**	**1**	**1**	**22**

* *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 - NIL

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

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

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

11) Results of On Farm Trials:

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B:C Ratio
Agronomy							
Performance of medium duration improved varieties of *Sali*rice (var. TTB-404 &Mulagabharu)	Low Yield & low Cropping Intensity	HYVs of Sali rice: TTB-404, Mulagabharu, Satraranjan Local var**.** Phulpakhari	3	Growth parameters, yield attributes, yield & economics Yield (Q/ha): TTB-404 =55.6 Mulagabharu= 52.0 Phulpakhari= 44.5	1.Highly satisfied for the yield & duration of the HYVs 2. Can go for rabi crops after Sali rice at proper time.	Research on threshability and submergence tolerance ability of varieties.	TTB-404 : 2.82 Mulagabharu:2.64 Local var : 2.26 (Phulpakhari)
Performance of improved blackgram variety PU 31 in *kharif* season	Low Yield	HYV of blackgram **:**PU-31 Local var	3	Growth parameters, yield attributes, yield & economics **Yield:** PU-31= 9.0 Kolamatimah= 6.5	Satisfied with the performance of the HYV	-	PU-31 : 2.29 Local var : 1.65 (Kolamatimah)
Performance of hybrid boro rice varieties	Low Yield	Hybrid Boro rice Var: Arize prima Arize 6444 Gold Arize Tej Check Var: Jaymati TTB-404	2	Growth parameters, yield attributes, yield & economics **Yield:** Arize prima: 63.0q/ha Arize 6444 Gold: 59.0q/ha Arize Tej: 57.0q/ha Joymati : 56 q/ha	Although satisfied with the yield but farmers facing marketing problem and not prefer for eating.	Research on grain quality analysis	Hybrids Arize prima:2.5 Arize 6444 Gold: 2.3 ArizeTej: 2.2 Check var. Joymati: 2.3

SRI practice in boro rice var. Swarnabh	Low Yield	Treatments: 1. SRI method of cultivation 2. Improved method of cultivation	3	Growth parameters, yield attributes, yield & economics Yield: SRI method :64.0 q/ha Improved method : 53.0q/ha	Satisfied with the performance of the technology for more yield per unit area and low cost of production	Research on fertilizer and irrigation management	SRI practice:2.78 Improved method :2.13
Horticulture							
Use of black polythene mulch for year round and quality tuberose flower production	Low yield during the winter months	T1:Mulching with black polythene mulch T2: Without mulch	2	Growth parameters, yield attributes, yield & economics Yield (nos/ha) T1 :92625 T2 :86834	Satisfied with the performance of the Technology	More yield then without mulch	T1:2.2 T2:1.8
Performance evaluation of French bean variety Arka Anoop	Rust, Low yield of local cultivars	Improved var T1 :Arka Anoop Farmers var T2 :Local var	2	Growth parameters, yield attributes, yield & economics Yield (q/ha) T1 :118 T2 :94	Satisfied with the technology	More yield over local	T1 :2.5 T2 :2.1
Performance evaluation of tomato var Megha	Low yield	Hybrid var T1 : Megha Farmers var T2 : Local var	3	Growth parameters, yield attributes, yield & economics Yield (q/ha) T1 :178 T2 :146	Satisfied with the technology	More yield over local, Susceptible to blight.	T1 : 2.2 T2 : 1.7
Direct feeding of nutrients to banana bunch	Low bunch weight	T1: Treatment of denavelled distal end of the banana bunch with SOP, Urea, cowdung. T2: Without practice	3	Growth parameters, yield attributes, yield & economics T1: 48.5 t/ha T2:42 t/ha	Satisfied with the performance of technology	Increase in bunch weight and finger.	T1:3.02 T2:2.3
Integrated nutrient management in cabbage	Indiscriminate use of chemical fertilizer	T1:Use of Rockphosphate @37.5kg/ha and Vermicompost @5t/ha T2:Farmers practice	3	Growth parameters, yield attributes, yield & economics Yield (q/ha) T1 :160 T2 :165	Satisfied with the Technology but pest control is difficult	Pest and disease management is difficult to control	T1:1.9 T2:1.7

Effect of planting time and crop geometry on onion seed production	No onion Seed production	T1: DOS -30th Oct T2: DOS-15th Nov T3: DOS- 30th Nov	1	Seed yield & Economics	-	-	In Progress
Home Science							
Use of Women Friendly Tools 1. Circular Blade Weeder, 2. Improved Garden Rake, 3.Hand Fork	Drudgery Reduction, Use of Heavy tools	T1 : Use of Local Tools 1. Khurpi, 2.Local Rake, 3. Local Hoe T2 : Use of ICAR Tools :- 1. Circular Blade Weeder, 2. Improved Garden Rake, 3.Hand Fork	3	Pulse rate, Postural stress, Postured assumed 1. Pulse rate of the women (beats / min) after the activity using the tools 1.Circular Blade Weeder - 94 (beats / min) 2. Improved Garden Rake – 93 (beats / min) 3.Hand Fork - 94(beats / min)	Light weight, Easy to handle, The farm women are satisfied using the tools , The postural stress was less as compared to traditional tools	-	-
Soil Science							
INM in rice (*Sali*) – rice (*Boro*) cropping sequence. (Var. Ranjit-Swarnabh))	Unavailability of biofertilizers in local market	**T 1:** Biofertilizer: Azospirillum PSB @ 4 kg/ha each + Manures : 1 ton / ha. Rock phosphate: 10 Kg P_2O_5 / ha. MOP : 40 Kg K_2O / ha. **T 2:** Control (With 100% RD of fertilizer)	3	**T 1:** Sali = 55.5 q/ha Boro = 57.5 q/ha **T 2:** Sali = 54.2 q/ha Boro = 56.3 q/ha	Satisfied with the technology	-	**T 1: 2.7** **T 2: 2.2**
Nutrient	Unavailability	**T 1**: 50% NP + Full	3	**T 1:**	-do-	-	**T 1:** 2.5

management in rice (*Sali*) – rice (*Boro*) cropping sequence with 50% NP + Full K + Enriched compost (1 ton/ha) (Var. Ranjit - Swarnabh)	of biofertilizers in local market	K + Enriched compost (1 ton/ha) **T 2:** Control (with 100% RD of fertilizer)		Sali = 56.2 q/ha Boro = 59.5 q/ha **T 2:** Sali = 54.8 q/ha Boro = 57.0 q/ha			**T 2:** 2.2
Effect of lime and fertilizer application in kharif blackgram (USJD 113)	Unavailability of lime in local market	**T_1:** Placement of 33% of lime of lime requirement along with recommended dose of fertilizer + 2% urea spray at pod initiation stage. **T_2:** Recommended dose of fertilizer	2	**T 1:** 9.5 q/ha **T 2:** 8.5 q/ha	-do-	Line application of lime is difficult to the farmers	**T 1:** 2.1 **T 2:** 1.9
Effect of biofertilizer in *kharif* black gram (USJD 113)	Unavailability of biofertilizer in the local market	T_1: Seed inoculation with rhizobium & PSB each @ 50g/Kg seed along with 75 % recommended dose of fertilizer. T_2: Recommended dose of fertilizer	2	**T 1:** 8.2 q/ha **T 2:** 7.5 q/ha	-do-	-	**T 1:** 1.8 **T 2:** 1.6
Effect of biofertilizer in *kharif* greengram (Pratap)	-do-	**T_1:** Seed inoculation with rhizobium & PSB each @ 50g/Kg seed along with 75 % recommended dose of fertilizer. **T_2:** Recommended dose of fertilizer	2	**T 1:** 7.9 q/ha **T 2:** 7.2 q/ha	-do-	-	**T 1:** 2.1 **T 2:** 1.9
MLT for testing of developed packages of Zinc on Rice (Var.	High cost of Zinc fertilizer	**T_1:** Farmers' practice **T_2 :** State recommendation	5	**T 1:** 37.6 q/ha **T 2:** 49.1 q/ha	-do-	-	T 1: 1.7 T 2: 2.1

Ranjit)		(N: P_2O_5:K_2O = 60: 20: 40) **T_3 :** Developed package (25 kg $ZnSO_4$ hepta hydrate/ha + compost/FYM @ 2ton/ha + RD of NPK).		**T 3:** 55.7 q/ha			T 3: 2.4

Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.
****** Give details of the technology assessed or refined and farmer's practice***

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2013-14 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Toria	Lime application in toria	4	10	2..5
2	Rice	INM in rice-rice cropping sequence	4	12	3.0
3	Rice	Improved variety- Swarna Sub-1	6	6	3
4	Salirice (variety:Ranjit)	SRI method	4	4	0.8
5	Maize	Improved variety- var. RCM-76	4	15	2
6	Sali rice	Performance of direct seeded Sali rice variety Ranjit	2	2	2
7	Rice	T-Perch technology	3	2	3

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

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

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			L	M	L

1	Sali rice (submergence tolerant)	Varietal performance	Performance of variety	Kharif, 2013-14	3	3	2	4	6	NA	RF, Sandy loam	L	M	L
2	Blackgram	Varietal performance	Performance of Blackgram var. KU-301	Summer 2013-14	2	2	2	4	6	NA	RF, Sandy loam	L	M	L
3	Maize	Varietal performance	Performance of Maize variety RCM-76	Summer 2013-14	2	2	6	9	15	NA	RF, Sandy loam	M	M	M
4	Sali rice (an observation)	Varietal performance	Performance of direct seeded Sali rice variety Ranjit		2	2	-	2	2	NA	RF, Sandy loam	L	M	L
5	Gerbera	Varietal performance	Performance of Gerbera variety – Redgem	Oct, 2012	0.02	0.02	1	1	2	Not applicable	RF sandy loam to clay loam	M	L	M
6	Arecanut based Cropping System	Multiple cropping	Arecanut based cropping system	March 2013	0.03	0.03	-	3	3	Not applicable	RF, sandy loam to clay loam	M	L	M
7	Assam Lemon	Canopy management	Training and Prunning and Nutrient management	Nov ,2013	100 plants	100 plants	2	3	5	Not applicable	RF, sandy loam to clay loam	M	L	M
8	Turmeric	Varietal performance	Performance of Turmeric variety – Megha	March 2014	0.19	0.19	1	2	3	Not applicable	Irrigated sandy loam to clay loam	M	L	M

9	Toria	Soil amendments	Lime application in toria	Rabi 2013	1	1	2	2	4	Nil	Rf	350.5	24.50	162.50
10	Rice	Nutrient management	Nutrient management in rice with 50% NP + Full K + Enriched compost	Boro 2014	1	1	3	1	4	Nil	irrigated	280.5	24.50	148.50
11	Rice	IPM	T-Perch	Kharif, 2013	3	3	-	2	2	NA	Rainfed	M	M	M

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	3	4	5	6	7	8	9	10	11	12	13	14
1	Sali Rice	-	-	42.0	36.0	42.0	36.0	31133	-	2.04	-	Satisfied with the technology	Satisfied with the technology
2	Sali rice (SRI)	-	-	66.0	57	66.0	57	53840	39639	3.12	2.37	Satisfied with the technology	Satisfied with the technology
3	Maize	-	-	37.33	30.0	37.33	30.0	18198	10135	1.79	1.44	Satisfied with the technology	Satisfied with the technology
4	Sali rice (an observation)	-	-	45.0	-	45.0	-	39250	-	3.0	-	Satisfied with the technology	Satisfied with the technology
5	Gerbera	106248	83624	96245	82346	Crown & root rot	Crown & root rot	81996.80	65006.00	1.9	1.7	Satisfied with The variety	Highly satisfied
6	Arecanut based	-	-	-	-	-		-	-	-	-	-	On going

	Cropping System												
7	Assam Lemon	-	-	-	-	Trunk borer	Trunk borer	-	-	-	-	-	Ongoing (Fruits did not attain maturity)
8	Turmeric	-	-	-	-	-	-	-	-	-	-	-	Input distribution completed
9	Toria	15.2	9.6	12.4	9.3	nil	nil	22300	15100	2.8	2.5	good	Satisfied with the technology
10	Rice			41.9	41	41.9	41	Increase due to Perch (Rs.) 1305	-	2.61	-	Satisfied with the technology	Satisfied with the technology
6	Rice	On going											

NB: Attach few good action photographs

OFT on Seed Production in Onion


FLD on Gerbera var Red Gem


FLD on Training and pruning and nutrient management in Assam lemon


Exposure visit to oil extraction plant in Kaliabor Nursery
Vocational training for 7 days duration on Medicinal and Aromatic plants



FLD on Lime application in toria


FLD on Ginger Candy Preparation


FLD on Preparation of Neem Leaf Extract as Pesticide and its application in the farmer's field

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	-	-	-	-
2	Farmers Training	7	14.06.2013 29.11.2013 25.05.2013 27.03.2014 30.10.2013 09.11.2013 31.10.2013	25 20 15 12 25 15 27	1. Farmers training on cultivation practices of Gerbera. 2. Farmers training on Training and pruning and fertilizer management in Assam Lemon 3. Farmers training on Arecanut based cropping system. 4. Farmers training on production technology on turmeric 5. Integrated nutrient management in rice 6. Demonstration on Ginger Candy Preparation 7. Acid soil and its management through lime application

c. Details of FLD on Enterprises

(i) Farm Implements : **NIL**
(ii) Livestock Enterprises : **NIL**

(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	Oyster mushroom	2	2	Yield and production economics	Yield :208 kg	-	-	-
Apiary	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Vermi compost	-	-	-	-	-	-	-	-
Ginger	Popularization on preparation of Ginger Candy	11 Farm Women	1 SHG		**Ginger Candy**	**Dried Ginger**	80 % acceptance amongst the SHG group for income generation	The product has got a good potential market
				Shelf Life	6 months	6 months		
				Taste Acceptance Amongst the SHG Women	Well Accepted	Already well established		

				Cost of the Product per 50 g	15/-	10/-		because of its medicinal properties
				Time Required for Preparation of the Product	1 day	5-10 Days		
				Acceptance amongst their consumers	Good	Good		
Neem	Popularization the use of neem leaf extract as pesticide	06 farm Women	-		**Neem leaf Extract**	**Hellocon**	80 % of the farm women have accepted the product as it is very convenient to make	The product has got a good potential
				Interval of Application (days)	15 Days	15 days		
				Cost of Preparation	Rs. 120	Rs 250		
				Pest Infestation after 1st spray	40 %	40%		
				Pest Infestation after 2nd spray	99%	90%		

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	On	Off	
(A) FARMERS & FARM WOMEN																						
I. Crop Production																						
Improved production technology of Sali rice	0	2	2	0	49	0	0	0	49	0	0	0	0	0	0	0	49	0	0	0	49	49
Improved production	0	1	1	0	25	0	0	0	25	0	0	0	0	0	0	0	25	0	0	0	25	25

technology of pulse crops																						
Improved production technology of jute	0	1	1	0	15	0	0	0	15	0	5	0	0	0	5	0	20	0	0	0	20	20
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Nursery raising	0	1	1	0	19	0	0	0	19	0	6	0	0	0	0	0	25	0	0	0	25	25
b) Fruits																						
Training and Pruning																						
Cultivation of Fruit	0	1	1	0	25	0	0	0	25	0	0	0	0	0	0	0	25	0	0	0	25	25
c) Ornamental Plants NIL																						
d) Plantation crops																						
Production and Management technology	0	2	2	0	0	0	6	0	6	0	44	0	0	0	44	0	44	0	6	0	50	50
e) Tuber crops NIL																						
f) Spices NIL																						
Production and Management technology	0	2	2	0	20	0	0	0	20	0	22	0	8	0	30	0	42	0	8	0	50	50
g) Medicinal and Aromatic Plants NIL																						
III Soil Health and Fertility Management																						
Soil fertility management	0	3	3	0	43	0	5	0	48	0	30	0	2	0	32	0	73	0	7	0	80	80
Production and use of organic inputs	0	1	1	0	17	0	0	0	17	0	6	0	2	0	8	0	23	0	2	0	25	25
Soil and Water Testing	0	1	1	0	24	0	0	0	24	0	5	0	0	0	5	0	29	0	0	0	29	29
IV Livestock Production and Management NIL																						
V Home Science/Women empowerment																						

Minimization of nutrient loss in processing	0	1	0	0	0	18	18	0	0	0	7	7	0	0	0	25	25	0	0	0	25	25
Value addition	0	3	0	0	0	76	76	0	0	0	10	10	0	0	0	86	86	0	0	0	86	86
Income generation activities for empowerment of rural Women	0	2	0	0	0	25	25	0	0	0	26	26	0	0	0	51	51	0	0	0	51	51
Women and child care	0	2	0	0	0	50	5 0	0	0	0	0	0	0	0	0	50	50	0	0	0	50	50
VI Agril. Engineering NIL																						
VII Plant Protection																						
Integrated Pest Management	0	2	2	0	29	0	0	0	29	0	38	0	0	0	38	0	67	0	0	0	67	67
VIII Fisheries NIL																						
IX Production of Inputs at site																						
Vermi-compost production																						
X Capacity Building and Group Dynamics																						
Group dynamics	0	1	1	0	29	0	3	0	32	0	3	0	0	0	3	0	32	0	3	0	35	35
Formation and Management of SHGs	0	2	2	0	0	0	49	0	49	0	0	0	0	0	0	0	0	0	49	0	49	49
Marketing (Marketing of Agricultural produce)	0	1	1	0	30	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0	30	30
Others																						
Formation and management of farm science club	0	2	2	0	49	0	4	0	53	0	3	0	0	0	3	0	52	0	4	0	56	56
Training Programme on Sali rice under Technology Showcasing	0	2	2	0	54	0	6	0	60	0	2	0	0	0	2	0	56	0	6	0	62	62
Market Driven	0	1	1	0	22	0	1	0	23	0	1	0	0	0	1	0	23	0	1	0	24	24

crop planning and crop diversification																					
Training cum demonstration on TD Zero Till Seed Drill	1	0	1	14	0	0	0	14	0	3	0	0	0	3	0	17	0	0	0	17	0	17
XI Agro-forestry NIL																						
TOTAL	**1**	**33**	**24**	**14**	**431**	**169**	**193**	**14**	**505**	**3**	**202**	**43**	**12**	**3**	**171**	**229**	**802**	**0**	**86**	**17**	**888**	**905**
(B) RURAL YOUTH																						
Production of organic inputs	0	1	1	0	20	0	4	0	24	0	1	0	0	0	1	0	21	0	4	0	25	25
Planting material production	0-	1	1	0	2	0	0	0	2	0	23	0	0	0	23	0	25	0	0	0	25	25
Nursery Management of Horticulture crops	0	2	2	0	23	0	5	0	28	0	22	0	0	0	22	0	45	0	5	0	50	50
Entrepreneurial development of farmers/youths	0	1	1	0	0	0	28	0	28	0	0	0	0	0	0	0	0	0	28	0	28	28
Value addition of Home Décor Items	0	1	0	0	0	18	18	0	0	0	7	7	0	0	0	25	25	0	0	0	25	25
Tailoring and Stitching	2	0	0	0	40	0	40	0	0	8	0	8	0	0	48	0	48	0	0	48	0	48
ICT for agricultural technology dissemination	1	0	1	4	0	8	0	12	0	2	0	6	0	8	0	6	0	14	0	20	0	20
Others	0	3	3	0	62	0	3	0	65	0	14	0	2	0	16	0	76	0	5	0	81	81
TOTAL	**3**	**9**	**9**	**4**	**147**	**26**	**98**	**12**	**147**	**10**	**67**	**21**	**2**	**8**	**110**	**31**	**240**	**14**	**42**	**68**	**234**	**302**
(C) EXTENSION PERSONNEL																						
Integrated Nutrient Management	0	2	2	0	46	0	0	0	46	0	12	0	0	0	12	0	58	0	0	0	58	58

Protected cultivation technology	0	2	2	0	44	0	0	0	44	0	6	0	0	0	0	0	50	0	0	0	50	50
Group Dynamics and farmers organization	0	2	2	0	48	0	0	0	48	0	6	0	0	0	6	0	54	0	0	0	54	54
Women and Child care	0	1	0	0	0	23	23	0	0	0	3	3	0	0	0	26	26	0	0	0	26	26
Low cost and nutrient efficient diet designing	0	1	0	0	0	23	23	0	0	0	3	3	0	0	0	26	26	0	0	0	26	26
Integrated pest management	0	1	1	0	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	**0**	**9**	**7**	**0**	**157**	**46**	**46**	**0**	**157**	**0**	**30**	**6**	**0**	**0**	**18**	**52**	**214**	**0**	**0**	**0**	**214**	**233**

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
Agronomy															
11.07.13	PF	Improved production technology of blackgram &greengram	Agronomy	Crop production	1	Off Campus	25	0	25	0	0	0	25	0	25
12 .07.13	PF	Improved production technology of rice.	Agronomy	Crop production	1	Off Campus	24	0	24	0	0	0	24	0	24
13 .07.13	PF	Improved production technology of Jute.	Agronomy	Crop production	1	Off Campus	15	0	15	5	0	5	20	0	20
27 .07.13	PF	Improved production	Agronomy	Crop production	1	Off Campus	27	0	27	0	0	0	27	0	0

		technology of rice													
17 .07.13	RY	Seed production tech. of jute and rice	Agronomy	Seed production	1	Off Campus	25	0	25	2	0	2	27	0	27
Horticulture															
5/8/13	PF	Nursery raising of transplanted vegetable crop	Horticulture	Nursery Management	1	Off Campus	19	0	19	6	0	6	25	0	25
26/8/13 29/8/13 30/8/13	PF	Production and management technology of fruit crops Banana and Assam Lemon (3Days)	Horticulture	Crop Production	3	Off Campus	25	0	25	0	0	0	25	0	25
13/9/13	PF	Production and management technology of Black Pepper	Horticulture	Crop Production	1	Off Campus	10	4	14	1	0	1	11	4	25
15/11/13	PF	Production and management technology of Coconut & Arecanut	Horticulture	Crop Production	1	Off Campus	25	0	25	0	0	0	25	0	25
29/1/14	PF	Production technology &post harvest management of Ginger & Turmeric	Horticulture	Crop Production	1	Off Campus	12	2	14	11	0	11	23	2	25
3/2/14	PF	Production and management technology of Coconut & Arecanut	Horticulture	Crop Production	1	Off Campus	19	0	19	0	6	6	19	6	25
22/11/13	RY	Production technology of cole crops like broccoli, cabbage & cauliflower	Horticulture	Crop Production	1	Off Campus	0	0	0	21	4	25	21	4	25
9/12/13	RY	Nursery	Horticulture	Nursery	1	Off Campus	22	0	22	2	1	3	24	1	25

		management of ornamental plants		Management											
28/3/14	RY	Production technology of flower crop Gerbera	Horticulture	Crop Production	1	Off Campus	23	0	23	2	0	2	25	0	25
27/2/14	EF	Protected cultivation of vegetable crops with emphasis on Capsicum, Tomato & Cucumber	Horticulture	Protected Cultivation	1	Off Campus	25	0	25	0	0	0	25	0	25
6/3/14	EF	Protected cultivation of vegetable crops with emphasis on Capsicum, Tomato & Cucumber	Horticulture	Protected Cultivation	1	Off Campus	25	0	25	0	0	0	25	0	25
Soil Sc															
26.07.13	PF	Collection and preparation of soil samples for laboratory analysis	Soil Sc	Soil Analysis	1	Off Campus	24	0	24	5	0	5	29	0	29
29.07.13	PF	Acid soil and its management through lime application	Soil Sc	Problem Soil Management	1	Off Campus	17	0	17	6	2	8	23	2	25
3.10.13	PF	Soil fertility management	Soil Sc	Soil fertility	1	Off Campus	15	5	20	5	2	7	20	7	27
28.11.13	PF	Soil fertility management	Soil Sc	Soil fertility	1	Off Campus	10	0	10	15	0	15	25	0	25
10.12.13	PF	Soil health management	Soil Sc	Soil Health	1	Off Campus	18	0	18	10	0	10	28	0	28
9.10.13 & 10.09.13	RY	Production and use of organic inputs in agriculture	Soil Sc	Organic inputs production	1	Off Campus	20	4	24	1	0	1	25	0	25
8.10.13	RY	Soil health management	Soil Sc	Soil Health	1	Off Campus	21	3	24	2	2	4	23	2	25
31.10.13	RY	Acid soil and its reclamation	Soil Sc	Problem Soil Management	1	Off Campus	20	0	20	5	0	5	25	0	25

		through lime application													
10.01.14	RY	INM	Soil Sc	Nutrient Management	1	Off Campus	21	0	21	7	0	7	28	0	28
27.02.14	EF	INM	Soil Sc	Nutrient Management	1	Off Campus	26	0	26	7	0	7	33	0	33
6.02.14	EF	INM	Soil Sc	Nutrient Management	1	Off Campus	20	0	20	5	0	5	25	0	25
Extension Education															
18.7.13	PF	Training programme on Sali rice under Technology Showcasing	Extension Education	Crop production	1	Off campus	28	4	32	2	0	2	30	4	34
30.7.13	PF	Formation and management of Farm Science Club	Extension Education	Management	1	Off campus	23	2	25	2	0	2	25	2	27
31.7.13	PF	Market Driven Crop Planning and crop diversification	Extension Education	Marketing	1	Off campus	22	1	23	1	0	1	23	1	24
27.8.13	PF	Marketing of Agriculture Produce	Extension Education	Marketing	1	Off campus	30	0	30	0	0	0	30	0	30
31.8.13	PF	Formation and management of SHG	Extension Education	Management	1	Off campus	0	25	25	0	0	0	0	25	25
1.10.13	PF	Training to Technology Showcase farmers on rice	Extension Education	Crop production	1	Off campus	26	2	28	0	0	0	26	2	28
29.11.13	PF	Training cum Demonstration on Tractor drawn Zero till Seed drill	Extension Education	Farm Mechanization	1	On-Campus	14	0	14	3	0	3	17	0	17
21.1.14	PF	Group Dynamics and farmers organization	Extension Education	Group Dynamics	1	Off campus	29	3	32	3	0	3	32	3	35

24.1.14	PF	Formation and management of Farm Science Club (PF)	Extension Education	Management	1	Off campus	26	2	28	1	0	1	27	2	29
12.3.14	PF	Formation and management of SHG	Extension Education	Management	1	Off campus	0	24	24	0	0	0	0	24	24
28.2.14	RY	Entrepreneurship development	Extension Education	Entrepreneurship development	1	Off- campus	0	28	28	0	0	0	0	28	28
15.3.14	RY	Entrepreneurship development	Extension Education	Entrepreneurship development	1	On Campus	18	0	18	4	0	4	22	0	22
15.11.13	EF	Group Dynamics and farmers organization	Extension Education	Group Dynamics	1	Off campus	19	0	19	1	0	1	20	0	20
26.2.14	EF	Group Dynamics and farmers organization	Extension Education	Group Dynamics	1	Off- campus	29	0	29	5	0	5	34	0	34
Home Sc															
25/07/13 & 26/07/13	PF	Value addition of summer fruits and vegetables (2 Days)	Home Sc	Value Addition	2	Off campus	0	30	30	0	0	0	0	30	30
29/07/13;	PF	Minimization of nutrient loss in processing	Home Sc	Processing	1	Off campus	0	18	18	0	7	7	0	25	25
30/08/13	PF	Women and Child Care	Home Sc	Women Empowerment	1	Off campus	0	25	25	0	0	0	0	25	25
02/10/13	PF	Value addition of summer fruits and vegetables	Home Sc	Value Addition	1	Off- campus	0	30	0	0	0	0	0	30	30
10/09/13	PF	Income generation activities for empowerment of rural women	Home Sc	Women Empowerment	1	On Campus	0	0	0	0	25	25	0	25	25
28/11/13	PF	Value addition of winter fruits and vegetables	Home Sc	Value Addition	1	Off campus	0	25	25	0	0	0	0	25	25

12/12/13	PF	Income generation activities for empowerment of rural women	Home Sc	Women Empowerment	1	Off- campus	0	26	26	0	0	0	0	26	26
18/03/14	PF	Women and Child Care	Home Sc	Women Empowerment	1	Off- campus	0	25	25	0	0	0	0	25	25
09/01 / 14	RY	Value addition of home décor items	Home Sc	Value Addition	1	Off Campus	0	18	18	0	7	7	0	25	25
14/02/14 & 15/02/14	RY	Cutting & Tailoring	Home Sc	Women Empowerment	2	On Campus	0	20	20	0	5	5	0	25	25
23/12/20 14	EF	Women and Child Care	Home Sc	Women Empowerment	1	Off Campus	0	23	23	0	3	3	0	26	26
24/12/20 14	EF	Low cost nutrient efficient diet designing	Home Sc	Nutrition	1	Off Campus	0	23	23	0	3	3	0	26	26
Plant protection															
24.10.13	PF	IPM of Rice	Plant Protection	Pest Management	1	Off Campus	26	0	26	0	0	0	26	0	26
14.11.13	PF	IPM of Rice	Plant Protection	Pest Management	1	Off Campus	3	0	3	38	0	38	41	0	41
15 .11.13	EF	IPM of Rice	Plant Protection	Pest Management	1	Off Campus	19	0	19	0	0	0	19	0	19
Computer															
04.12.13 & 05.12.13	RY	ICT for Agricultural Technology Disseminaiton	Computer	ICT	2	On Campus	4	8	12	2	6	8	6	14	20

(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	No of units	No of persons employed	

Cutting And Tailoring	7th Feb – 21st Feb, 2014	Vocational training on Entrepreneurship Development through Cutting and Tailoring	Entrepreneurship Development	15 days	0	23	23	-	-	Yet to start income generation, follow up is going on	-
Medicinal and Aromatic Plants	7th Feb – 11th Feb, 2014	Vocational training on commercial production of Medicinal and Aromatic Plants	Entrepreneurship Development	7 days	20	0	20	-	-	Yet to start income generation, follow up is going on	-
Water Hyacinth	27 the Jan to 5th Feb, 2014	Entrepreneurship development through product making from Water Hyacinth for women SHG members	Women Empowerment	10 days	0	25	25	-	-	1 SHG group from Dakarghat named " **Trinayan**" started producing product of water hyacinth	-
Organic Inputs	27 the Jan to 1st Feb, 2014	Vocational Training on Production of Organic inputs	Entrepreneurship Development	7 days	23	0	23	-	-	Yet to start income generation, follow up is going on	-

*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		

1	27th June-4th July, 2013	Farmers training programme on Employment Opportunities through Agriculture and Allied Sectors	Agriculture	Self employment	7	PF, RY	1	52	0	52	48	0	48	100	0	100	Directorate of Agriculture, Govt. of Assam	168750
2	21st oct, 2013	Farmers training programme on Commercial Pulse production	Agronomy	Commercialization	1	PF, RY	1	29	0	29	21	0	21	50	0	50	Sathguru Management Consultants Pvt. Ltd, Hyderabad	50000
3	3rd to 5th, Oct, 2013	Income generation activities under agriculture	Agriculture	Income generation	3	RY	1	58	17	75	20	5	25	78	22	100	SIRD, Guwahati	-
4	24th to 26th, Feb, 2014	Integrated Live-stock and Fish Farming	Agri, Vety, Fishery	Income generation	3	RY	1	47	18	65	26	9	35	73	27	001	SIRD	-
5	24th to 26th, Feb, 2014	Integrated Agriculture, Live-stock and Fish Farming	Agri, Vety, Fishery	Income generation	3	RY	1	52	19	71	20	9	29	72	28	100	SIRD	-

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

Sl. No.	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	29.3.14	1	15	6	21	10	4	14	-	-	-	25	20	35
2.	Kisan Mela	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.	Exposure Visit	Vocational training of medicinal and aerometric plants 11.02.14	1	18	0	18	2	0	2	-	-	-	20	0	20
		Vocational training on production of organic inputs 01.02.14	1	17	0	17	3	0	3	-	-	-	20	0	20
		RKVY training at Hojai 3.7.2013	1	64	0	64	36	0	36	-	-	-	100	0	100
4.	F.S. Interaction	18.3.2014	1	29	0	29	1	0	1	-	-	-	30	0	30
		27.3.2014	1	34	0	34	0	0	0	-	-	-	34	0	34
5.	Animal health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.	PRA exercise	26.10.13	1	21	7	28	9	0	9	-	-	-	37	0	37
		29.10.13	1	31	1	32	8	0	8	-	-	-	40	0	40
7.	SHG Conveners meeting	18.01.14	1	0	23	23	0	38	38	-	-	-	0	61	61
		20.01.14	1	0	25	25	0	0	0	-	-	-	0	25	25
		22.02.14	1	0	1	1	0	69	69	-	-	-	0	70	70
8.	Radio Talk	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.	Bulletin Published	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.	Popular Article published	9	-	-	-	-	-	-	-	-	-	-	-	-	9
11.	Exhibition	26.01.14	1	10	25	35	5	10	15	-	-	-	15	35	50
12.	Group meeting	-	-	-	-	-	-	-	-	-	-	-	-	-	-

13.	Lecture Delivered as Resource Person	31.07.13 & 01.08.13 Income Generation	1	0	10	10	0	10	10	-	-	-	0	20	20
		17-18th .05.13	1	75	0	75	25	0	25	-	-	-	100	0	100
		05.09.13	1	30	5	35	20	5	25	-	-	-	50	10	60
		24.10.13	1	100	20	120	70	10	80	-	-	-	170	30	200
14.	Method demonstration	16.9.2013	2	70	-	70	50	0	50	-	-	-	120	0	120
15.		Use of biofertilizer in rice cultivation	2	25	0	25	5	0	5	-	-	-	30	0	30
16.	-do-	Use of biofertilizer in blackgram and green gram crop 8.9.13 & 27.2.14	2	20	0	20	10	0	10	-	-	-	30	0	30
17.	-do-	Use of seed Drill for sowing of greengram seeds	1	15	5	20	5	0	5	-	-	-	20	5	25
18.	-d0-	15.11.13 Demonstration on fertilizer application in coconut	1	11	4	15	4	1	5	-	-	-	15	5	20
19.	Advisory Services	April 14 to march 2014	250	350	15	365	100	35	135	-	-	-	450	50	500
20.	Scientist visit to farmers field	-do-	146	100	0	100	46	0	46	-	--	-	146	0	146
21.	Farmers visit to KVK	-do-	1150	600	30	630	500	20	520	-	-	-	1100	50	1150
22.	Diagnostic visit	-do-	84	125	30	155	75	20	95	-	-	-	200	50	250
23.	Celebration of Important Day	World Environment Day, 5th June,	1	182	68	250	65	35	100	-	-	-	250	100	350

		2013													
		Awareness programme on Parthenium 22.08.2013	1	105	35	140	45	15	60	-	-	-	150	50	200
24.	Training Manual		2	-	-	-	-	-	-	-	-	-	-	-	2
25.	Impact Study/ Field Study	Oct 2013 to March 2014	2	-	-	-	-	-	-	-	-	-	-	-	2
26.	Farm Machinery Demonstration														
	Farm Machinery Demonstration Training cum Demonstration on Tractor drawn Zero till Seed drill	29.11.2013	1	13	0	13	4	0	4	-	-	-	17	0	17
	Training cum Demonstration on Tractor drawn Zero till Seed drill	15.03.2014	1	15	0	15	5	0	5	-	-	-	20	0	20
	Demonstration of Cono weeder	26.03.2014	1	15	0	15	0	0	0	-	-	-	15	0	15
27.	Press Meet organized														
	Press meet on Outbreak of Bihar Hairy Caterpillar in Jute of Nagaon District	16.08.2013	1	-	-	-	-	-	-	-	-	-	-	-	-

3.5 Production and supply of Technological products during 2013-14

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS	Sali Rice Boro rice	Ranjit	126.0	327600.00	Sali rice yet to sell. Boro rice already Sold
		Swarnav and Joymati	38.4	99840.00	
OILSEEDS	Toria	TS-38	20.00	100000.00	Not yet sold
	Sesamum	ST-1683	0.70	5950.00	Not yet sold
PULSES	Greengram	Pratap	4.63	41670.00	Not yet sold
	Blackgram	KU-301	3.80	32300.00	Not yet sold
OTHERS	Dhaincha	Sesbania aculeata	3.82	22920.00	Not yet sold
	Jute seed	Tarun	3.09	33990.00	Not yet sold

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	51.90	427440.00	**Not yet sold**
2	OILSEEDS	20.70	105950.00	
3	PULSES	8.43	73970.00	
4.	Vegetables	1.50	7500.00	
5.	Dhaincha	3.82	22920.00	
6.	Jute seed	3.09	33990.00	
TOTAL		**63.81**	**239414.00**	

b. PLANTING MATERIALS (No. in lakh)

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	-	-	-	-	-
VEGETABLES	Broccoli	KTS-1	200	200.00	Used in KVK Farm
	Brinjal	Local	150	150.00	Used in KVK Farm
ORNAMENTAL CROPS	Gerbera	Redgem	50	250.00	Used in KVK Farm

	Gladiolus	American Beauty	100	500.00	Used in KVK Farm
	Marigold	African tall	1000	2000.00	Used in KVK Farm
	French Marigold		200	400.00	Used in KVK Farm
SPICES					
	Turmeric	Megha	1.50	7500.00	To be used in KVK farm

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	**VEGETABLES**	350 Nos	350.00	
2	**ORNAMENTAL CROPS**	1350 Nos	3150.00	
3	**SPICES**	1.50 qt	7500.00	
	TOTAL	**-**	**11000.00**	

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS						
BIO PESTICIDES	Bioveer	*Trichoderma viridae*	-	1q	1500.00	5
Others						
Azolla	-	*A. caroliniana*	-	2q	1000.00	4
Vermicompost	-	*Eisemia fotida*	-	3q	3000.00	4
Compost	-	-	-	8q	8000.00	4

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	Bioveer	*Trichoderma viridae*	-	100	1500.00	5
2	Azolla	*A. caroliniana*	-	200	1000.00	4

3	Vermicompost	*Eisemia fotida*	-	300	3000.00	4
4	Compost	-		800	8000.00	4
	TOTAL			**1400**	**13500.00**	**17**

LIVESTOCK :

SUMMARY

Sl. No.	**Type**	**Breed**	**Quantity**		**Value (Rs.)**	**Provided to No. of Farmers**
			Nos	**Kgs**		
1	CATTLE		**-**	**-**	**-**	
2	SHEEP & GOAT	**Local Unproductive goat**	**31**	**-**	**31809.00**	
3	POULTRY	**Broiler**	**-**	**72.6**	**6534.00**	
4	FISHERIES	**-**	**-**	**-**	**-**	
5	OTHERS(Mushroom)	Oyster	1	204.8	20480.00	
6	Simalu cotton	-	-	LS	13001.00	
	TOTAL					

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

(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 (Accepted)	**5**		
1	Constraints in potato Cultivation in Assam: Farmers Experiences. ***s***	**Deka, C.K** and Mukhopadhyay, S.B and Kumar, S	Accepted by Journal
2	Non-adoption and discontinuation of the recommended Sali rice practices by the farmers of Jorhat district of Assam.	**Deka, C.K** and Kalita, H.K	Accepted by Journal

3	Smokeless Chullah- An Environment Friendly Drudgery Reducing Technology for Rural Women.	**Deka, C.K** , Nath, P.K and Dutta,J.K	Accepted by Journal
4	Adoption of Vegetable cultivation: A discriminant Functional Analysis.	**Deka, C.K** and Kalita, H.K	Accepted by Journal
5	Impact of farmer Field School of United Phosphorous Limited: A study in Nagaon District of Assam.	**Deka, C.K** and Mishra, P	Accepted by Journal
Total	**5**		
Technical reports	**3**		
1	Comprehensive Training report on Employment Opportunities through Agriculture and Allied Sectors (RKVY)	**Deka, C.K** and Guha.B	-
2	Comprehensive Training Report on Cmmercial Pulse Production (SathguruManagement Consultancy Pvt. Ltd) on	**Deka, C.K**, Guha.B and Goswami,D	-
3	District profile of Nagaon	**Deka, C.K**, Guha.B and Goswami,D	-
Popular articles			
1	Banausodhi Udbhidar Banikjik Kheti: Atmasangsthapanar Ek Natun Dikh	Dr. C.K.Deka Mr. U.K.Deka	-
2	Atmaniyojanr Babe Bigyanbhittik Patchouli kheti	Dr. C.K.Deka Mr. B. Gogoi	-
3	Pratical Education on Cutting	Nath, P	-
4	Cultivation practices of Lemon grass, Aloevera, Citronella and Safed Musli	Das,S and Dutta,J.K	-
5	Dhanar sri paddhatir kathiyatali prastuti.	Deka, Anjumala	-
6	Saishat jalabyabasthapanar abasyakata.	Deka, Anjumala	-
7	Kerketuar pora rakha paboloi gharua kaushal.	Deka, C. K. and Bhagowati, S.	-
8	Organic farming and its prospects in Northeastern States.	Bhattacharyya, D. and Bhagowati, S.	-
9	Jarbera phular kheti	Das, S	-
Total	**9 nos.**		
Abstract Published	-		
Bulletins	-		
Folders	-		
Training Manual	**2 nos**		
1	Ousadhiya aru Sugandhi Gasor Kheti tatha Cutting aru Tailoringar uparot Huwa Britimulak Prashikkhanar Hatputhi.	Deka, C.K, Das, S, Nath, P, Deka, U.K, Dutta, J.K	100
2	Byabasay Bhittit mahjatiya Saisyar Kheti	Deka, C.K, Guha, B and Dutta, J.K	100

Total	**2 nos.**		
GRAND TOTAL	**19 nos.**		

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

(C) Details of Electronic Media Produced NIL

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

Abul Hussain is a progressive farmer residing in Bengennati of Nagaon District. He has got about 8 bighas of horticultural land .He grows mainly hortcultural crops like lettuce, cabbage, broccoli, watermelon, French bean etc .He got many prizes in Horticultural show organized by Directorate of Horticulture in last few years. Therefore, one On Farm trial on French bean was conducted in his field in the year 2013-14 .The variety was Arka komal . He got a bumper yield of 33 q/ bigha and sold the produce at the rate of Rs 15-20/kg .In terms of net return the farmer received an average of Rs48800/bigha.Moreover the produce was catered by Shillong Market. With this generated income he constructed 1 no. of Vermi-compost unit for use in his horticultural crops. The farmers in his locality noticed the performance of the crop & highly satisfied with the yield performance.

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

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) NIL

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

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

- Identification of courses for farmers/farm women: Through Group discussion, PRA survey, Field Visit
- Rural Youth : Through Group discussion, PRA survey
- Inservice personnel : Through Group discussion, PRA survey

3.11 Field activities

i. Number of villages adopted: 1
ii. No. of farm families selected: 450
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 : 2006-07
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1.	Auto Analyzer	1	248484.00
2.	Mechanical Shaker (150ml cap)	1	22278.00
3.	Water Distillation Set	1	39280.00
4.	Plant Sample Grinder	1	15750.00
5.	Spectrophotometer	1	26424.00
6.	pH meter	1	8307.00
7.	Conductivity meter	1	9757.00
8.	Hot plate	1	3375.00
9.	Pen pH meter	1	3000.00
10.	Chemical Balance	1	32500.00
11.	Physical Balance (5.0kg)	1	4500.00
12.	Physical Balance (2.5 kg)	1	3000.00
13.	Mechanical Shaker	1	18563.00
14.	Hot Air Oven	1	21330.00
15.	Flame Photo meter	1	25301.00
16.	Refrigerator	1	14062.00
17.	Hot air oven	1	36888.00
18.	BOD incubator	1	122131.00
19.	Rotary Checker	1	28375.00
20.	Electronic Balance	1	9591.00
21.	Pocket Ph Meter	1	2270.00

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	100	100	50	-
Total	**100**	**100**	**50**	

4.0 IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Sali Rice variety (Ranjit)	-	60%	-	-
Boro Rice(Var: Swarnav, Dinanath)	-	15%	-	-
SRI Practice in rice	-	5%	-	-
Toria variety TS-36, TS-38, M-27)	-	45%	-	-
Jute variety (Tarun)	-	15%	-	-
Greengram Variety (Pratap)	-	20%	-	-
Mushroom Cultivation	-	Gaining popularity day by day	-	-
Honey bee rearing	-	Gaining popularity day by day	-	-
T-perch technology	-	Gaining popularity day by day	-	-
Ginger Candy Preparation	-	5%	-	-
French Bean – Arka Anoop and Arka Komal	-	Gaining popularity day by day	-	-
Training and Prunning in Assam Lemon	-	Gaining popularity day by day	-	-
Fertilizer Application in Coconut and Arecanut	-	20%	-	-
Application of lime in Oilseeds and Pulses	-	20 %	-	-
Use of Bio Fertilizer in Rice and Pulse	-	Gaining popularity day by day		

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

Study 1. Performance of Women SHGs: A study in Nagaon District of Assam.

Result:

40 nos of SHGs were studied in two blocks of Nagaon District. The findings revealed that, out of the SHG studied, 35% belonged to Medium performer and 65% belonged to low performer. No body was found in high performance group.

Problem faced by the SHGs:

1. Lack of leadership ability among the members to run the group
2. Difficulty in maintaining accounts

3. Conflict arising during decision making process
4. Non-cooperation from male members of the family while managing both household activities and group activities.
5. Lack of knowledge and skill of different entrepreneurial activities.
6. Shortage of Fund to start economic activities
7. Poor risk absorbing capacity. (Most SHGs who received revolving fund from the Block, keep the amount in fixed deposit for interest only. They do not go for any economic activities. Some of the group divides the amount among the members.)
8. Poor in credit management. (Most of SHGs were involved only in giving the loan to its members and others of their locality from their group savings).

Study 2:

Impact of Sali rice production training programme of KVK, Nagaon: A study in Nagaon District of Assam

Results:

A study was conducted comprising 120 rice farmers (60 beneficiaries and 60 non-beneficiaries)

Gain in Knowledge:

The study revealed that out of the beneficiary farmers, 11.66 % belonged to high, 66.66 % to medium and 21.66 % to low level of knowledge category. But in case of non beneficiary farmers, 3.33 % belonged to high, 26.66 % to medium and 70.0 % to low level of knowledge category.

Extent of adoption:

From the study it is clear that the practices like land preparation, time of sowing of seeds were adopted by both beneficiary and non beneficiary farmers. The adoption of HYV of rice by beneficiary and non- beneficiary farmers were 40.00% and 28.33% respectively.

In case of non beneficiary farmers, no body was found to adopt the practices like seed treatment and line transplanting maintaining proper spacing. But in case of beneficiary farmers, very few i.e. 6.66 % adopted seed treatment and 5.00 % adopted line transplanting.

Again in case of fertilizer application, 45.0% of the beneficiary farmers apply fertilizer in rice and out of that only 10.0 % adopted recommended dose of fertilizer. But in case of non beneficiary farmers, 23.33 % apply fertilizers in rice crop in imbalanced way. No body was found to adopt the recommended dose of fertilizer.

Similarly, in case of plant protection, only 31.66 % beneficiary farmers apply chemicals for control of pest and diseases. In case of non-beneficiary, only 13.33 % farmers apply chemicals for control of pest and diseases.

5.0 LINKAGES

5.1 Functional linkage with different organizations

Sl. No.	Stakeholders	Type of linkage	How has the KVK made it effective
1.	Dept. of Agriculture, Nagaon	1. Involved in monitoring work of BGREI 2. Attended Zonal Workshop 3. Involved in RADP programme	Acted as KVK representative
2.	ATMA, Nagaon	KVK is member of ATMA (AMC & GB) for planning, implementation, monitoring and evaluation of programmes	Master trainer for BTT under ATMA
3.	ATMA, Morigaon	1.Involved in preparation of SREP of ATMA, Morigaon ; 2. Acted as resource person in various training programmes of ATMA	Resource person in various programmmes

4.	Assam State Seed Certification Agency (ASSCA)	Certification of Seeds under Technology Showcasing	KVK has been producing large quantities of foundation seeds of Rice, pulses, oilseeds and jute since 2009 which are certified by ASSCA.
5.	SIRD, Amoni	1. Providing Resource Persons for Capacity Building Programmes 2. Technology backstopping	1. KVK scientist imparted training to PRI personnel's under MNREGA 2. Capacity building of EO's of Block under MNREGA permissible works
6.	Assam Seed Corporation	KVK sales seed to ASC	Foundation seeds of Rice and toria were procured by ASC
7.	Nehru Yuva Kendra	KVK Deputed resource person	Deputed KVK Scientists as Resource person in various programmes
8.	Village Council and Social Mission, (NGO)	Providing Resource Persons for Capacity Building Programmes	Collaborative training conducted in KVK
9.	IFFCO, Nagaon	Involved in Training and other programmes	Linking of farmers with IFFCO for fertilizer purchase
10.	NABARD, Nagaon	Involved in Training and other programmes	Formation of FARM SCIENCE CLUB registered under NABARD

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 NIL

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1	Sponsored training programme	Organized training programme	5 nos.

5.4 Give details of programmes implemented under National Horticultural Mission NIL

5.5 Nature of linkage with National Fisheries Development Board NIL

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Azolla unit	2011	-	***A. caroliniana***	Fresh Azolla	200 kg		1000.00	Azolla production going on
2	Vermicompost unit	2011	-	***Eisemia fotida***	Vermicompost	300 kg		3000.00	Vermicompost production going on
3	Composite fish farming	2011	-						Rearing of IMC and exotic carp, plantation in the bank
4	Rice-Fish-Vegetable Unit	2011	-						
5	Integrated Duck-Fish farming	2011	-						
6	Mushroom Unit	2010	-			204.8 kg		20480.00	Mushroom production going on
7	Composting Unit	2011	-			800 kg		8000.00	Compost production going on
8	Display and Demonstration unit	2010	-	-	-	-	-	-	Exhibits are being displayed.
9	Poultry Unit	2010	-			**72.6**		**6534.00**	Using for rearing of Vanaraja and Broiler chicken
10	Goatery unit	2011	-			**31**		**31809.00**	Using for rearing of beetle goat and local goat

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									
Sali Rice				Ranjit	Certified seed	126.0	-	327600.00	
Boro Rice				Swarnav and Joymati	Certified seed	38.4	-	99840.00	
Pulses									
Greengram				Pratap	Certified seed	4.63	-	41670.00	
Pigeonpea				KU-301	Certified seed	3.80	-	32300.00	
Oilseeds									

Toria				TS-38	Certified seed	20.00	-	100000.00	
Dhaincha				Sesbania aculeata		3.82	-	22920.00	
Jute seed				Tarun	Certified seed	3.09	-	33990.00	
Spices & Plantation crops									
Turmeric				Megha		1.50	-	7500.00	
Vegetables									
Broccoli				KTS-1		200 nos	-	200.00	
Brinjal				Local		150 nos	-	150.00	
ORNAMENTAL CROPS									
Gerbera				Redgem		50	-	250.00	
Gladiolus				American Beauty		100	-	500.00	
Marigold				African tall		1000	-	2000.00	
French Marigold						200	-	400.00	

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

Sl. No.	Name of the Product	Qty (kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Azolla (Compost)	200	-	1000.00	Used in OFTs and compost making.
2	Vermicompost	300	-	3000.00	Initial stage.
3	Enriched compost	800	-	8000.00	Used in OFTs.
4	**Bioveer**	100	-	1500.00	Sold to farmers

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	SHEEP & GOAT	**Local Unproductive goat**	**31**	**-**	**31809.00**	**Sold**
2	POULTRY	**Broiler**	**-**	**72.6**	**6534.00**	**Sold**

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: No rainwater harvesting structure at KVK farm

6.5 Utilization of hostel facilities (Month Wise): NIL

Accommodation available (No. of beds) :

(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	State Bank of India	Jorhat	Available at AAU,Jorhat
With KVK	State Bank of India	Nagaon	10965237291

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

Item		Released by ICAR/ZPD		Expenditure			Unspent balance as on 31st March, 2014
	2009-10	2010–11	2013-14	2011-12	2012-13	2013-14	
Inputs			10,000.00			7996.00	2004.00
Extension activities							
TA/DA/POL etc.							
TOTAL							

7.3 Utilization of KVK funds during the year 2013-14

S. No.	Particulars	Sanctioned (Rs.in Lakh)	Released (Rs.in Lakh)	Expenditure (Rs.in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	55.52		56.65878
2	**Traveling allowances**	2.00		01.99427
3	**Contingencies**		**8.50**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			02.05912
B	POL, repair of vehicles, tractor and equipments	2.55		00.47899
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			01.32810
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			00.50575
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			00.69139
G	Training of extension functionaries			01.66778
H	Maintenance of buildings/others/ farms			01.75657
I	Establishment of Soil, Plant & Water Testing Laboratory			-
J	Library	5.95		-
	TOTAL (A)	**66.02**		**67.14075**
B. Non-Recurring Contingencies				
1	**Works**	20.00		-
2	**Equipments including SWTL & Furniture**	-		-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-		-
4	**Library** (Purchase of assets like books & journals)	-		-
	TOTAL (B)	**20.00**		**-**
C. REVOLVING FUND				
	GRAND TOTAL (A+B+C)	**86.02**		**67.14075**

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 2011 to March 2012	75405.00	479715.00	364888.00	190232.00
April 2012 to March 2013	190232.00	731070	504628.00	416674.00
April 2013 to March 2014	416674.00	403775	575830.00	244619.00

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

Technology Showcasing Programme of KVK Nagaon during 2013-14 :

Period/ Season	Crop	Area (ha)	No. of farmers	Location	Seed produced
Kharif	Sali rice	75 (562.5 bigha)	160	Dakarghat, Jalatengani, Kuruwabahi, Jamuguri	3375 q
Rabi	Boro rice	30 ha (225 bigha)	60	Gandhibori, Phulaguri, Karsung, Bhakatgaon, Dhaniabheti	-
	Toria	50 ha (375 bigha)	120	Huzgaon Kalita Suk, Dighaliati Muslim gaon, Duboritoli, Pub Sensowa, Samuagaon	450 q
	Lentil	6.67 ha (50 bigha)	41	Salaguri, Samuagaon	-

8.1 Constraints

(a) Administrative : 1. Requirement of full time Office Superintendent-cum-Accountant.

(b) Financial : 1. May be increased under recurring contingency.

(c) Technical : 1. One Laptop and Desktop computer with accessories is required
2. One High resolution camera is required.

(d) Others : 1. A new tractor with accessories is required as the old only tractor (purchased in 2000) often goes out of order.
2. For irrigation, one pump (diesel operated) is required.
3. Fencing around the 2nd farm of the KVK (780 m) is required.
4. One more vehicle is required preferably 10-12 seater.
5. One heavy duty UPS (8-10 KW) is required for standby due to frequent power cut.
6. One two wheeler motor bike is required.

(B Guha)
Programme Coordinator

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