

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
	Office	FAX	
Krishi Vigyan Kendra, Assam Agricultural University, Shillongani- Nagaon, Assam Pin: 782002	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 Pin- 785013	0376-2340013	0376-2340001	vc@aaau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. B. Guha (i/c PC)	RARS, Shillongani, Nagaon	94353-60376	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, 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/ Gen)
1	Programme Coordinator	Dr. Biswajit 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. Seema Bhagowati	SMS	Soil Science	15600-39100	25050	10.11.08	Permanent	Gen
5	Subject Matter Specialist	Ms. Sibani Das	SMS	Horticulture	15600-39100	23610	10.11.08	Permanent	SC
6	Subject Matter Specialist	Ms. Priyanka Nath	SMS	Home Science	15600-39100	25050	12.11.08	Permanent	OBC
7	Subject Matter Specialist	Ms.Devanushi Dutta	SMS	Pl. Pathology	15600-39100	21000	30.1.14	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	17820	01.12.08	Permanent	Gen
10	Farm Manager	Mr. Nayan jyoti Bordoloi	Farm Manager	Agriculture	8000-35000	17300	10.12.09	Permanent	Gen
11	Accountant/ Superintendent	Mr. Luhit Baruah	Accountant	Agri-Bussiness	8000-35000	12900	10.11.14	Permanent	Gen
12	Stenographer	Ms. Pranita Deka	Jr. Steno cum comp 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

Sl. 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	2014	-	-	-	-	Completed

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
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 SAC meeting* conducted in the year 2014-15

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	25.02.15	<ol style="list-style-type: none"> 1. Dr. G. N. Hazarika, Director of Research (Agri) 2. Dr. H. C. Bhattacharyya, Director of Extension Education, AAU, Jorhat-13 3. Dr. S. Paul, Scientist, ZPD unit, Zone-III, ICAR, Barapani 4. Dr. K. K. Borah, i/c. Dean, CoF, AAU, Raha 5. Dr. B. Guha, CS, RARS & I/C PC, KVK, Nagaon 6. Mr. Pabitra Kr. Sharmah, SDAO, DAO, Nagaon. 7. Sri Prafulla Kr. Sharma, ACF, ACF- Nagaon, Social Forestry Div., Environment & Forest Dept. 8. Dr. Nazim Uddin, APDO, Dept. of Veterinary, Nagaon 9. Mr. Prabin Baruah, Senior ADO, Dept. of Agriculture, Raha, Nagaon 10. Sri Surjya Katak, Assistant Manager, DI & CC, Nagaon 11. Sri Bhadra Kanta Borah, Senior ADO, DAO, Nagaon 12. Md. A. H. Siddique, FEO, Dept of Fishery Nagaon 13. Sri Sarbeswar Saikia, Inspector, Dept. of Sericulture, Nagaon 14. Sri Indra Muhan Saikia, Coordinator, Gramin Unnayan Sangstha, NGO, Nagaon 15. Sri Naba Kr. Patar, Farmer, Phulaguri, Nagaon 16. Sri Pradip Deka, Farmer, 	<ol style="list-style-type: none"> 1. Training on climate change to extension functionaries. 2. Direct seeding of Sali rice before on-set of monsoon 3. Use of pheromone trap in tomato as OFT 4. Taking an experiment on production of low cost fish feed. 5. Develop paddy cum fish culture in actual field condition 6. Making of <i>Rhizobium</i> culture available for black gram and greengram. 7. Arrangement of training on Agronomy, Soil Science and Pathology disciplines to the same group of farmers for 3 days consecutively. 8. Developing adopted villages in special area/enterprise. 9. Organizing skill 	

	<p>Phulaguri, Nagaon</p> <p>17. Sri Prabitra Borah, Farmer, Dhemaji, Nagaon</p> <p>18. Sri Moni Deka Doloi, Farmer, Gandhibari, Nagaon</p> <p>19. Sri Pabitra Kr. Kakati, Farmer, Dheraji, Nagaon</p> <p>20. Md. Mainul Haque, Farmer, Nagaon</p> <p>21. Sri Puwal Ch. Nath, Farmer, Jamuguri, Nagaon</p> <p>22. Md. Sultan Ahmed, Farmer, Pub Mukunda Ati</p> <p>23. Smt Anju Borkakati, Woman Farmer, Dhing, Nagaon</p> <p>24. Smt Sonmani Saikia, Women Farmer, Dhing, Nagaon</p> <p>25. Smt. Jnmoni Borkakati, Women Farmer, Dhing, Nagaon</p> <p>26. Smt Priti Kumari Devi, Women Farmer, Kakatigaon, Nagaon</p> <p>27. Smt Minakshi Devi, Women Farmer, Kakatigaon, Nagaon</p> <p>28. Smt. Juri Barua, Master Trainer, Maj-jajari, Nagaon</p>	<p>development trainings on veterinary sector, artificial insemination, training on Awareness on swine flu, fodder cultivation.</p> <p>10. Taking Amla Sauce preparation as a method demonstration and Tea Plucking Basket as FLD.</p> <p>11. Taking OFT on Nutrition and Child Development.</p> <p>12. Taking 7 days off campus skill development training on cutting and tailoring for different SHGs.</p> <p>13. Planting material generation on turmeric.</p> <p>14. Taking FLD on floriculture in two seasons of the year and use of rice straw as mulch in Popularization of Capsicum.</p> <p>15. Skill development training on Video Making on Mushroom cultivation and taking KMAS and mAIP mobile solution as OFT.</p>	
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**ACTION TAKEN REPORT OF
SCIENTIFIC ADVISORY COMMITTEE MEETING HELD ON 25TH MARCH, 2014**

Sl No	Suggestion of the SAC	Action Taken
1	Incorporation of Sali rice cum fish culture in low lying road side areas of Nagaon district as suggested by DFDO, Nagaon.	Visited the proposed farmer plots along with FEO, Nagaon and FLD is proposed. -D. Nath, Programme Assistant (Fishery)
2	A method demonstration on Magur culture in 2 X 3 meter cemented pool in collaboration with Fishery Deptt.	Visited the proposed farmer plot along with FEO, Nagaon and FLD is proposed. -D. Nath Programme Assistant (Fishery)
3	Free vaccination of cattle in the village Jajori, Nagaon	Communicated with the DVO, Nagaon. A vaccination programme was taken up by the Veterinary Dept. DVO further instructed the area veterinary doctor to arrange a booster vaccination camp with consultation with the farmers. -D. Nath Programme Assistant (Fishery)
3	Method Demonstration on TPS production technology.	One demonstration on TPS technology covering 4 ha area and 30 farmers is being conducted at Athgaon, Dhing. -A. M. Deka, SMS (agronomy)
4	Method Demonstration on improved sugarcane variety especially for chewing purpose.	Communicated with the Chief Scientist, Sugarcane Research Station, Burhalikson regarding the demonstration and also provided address to the proposed NGO for collecting the variety. -A. M. Deka, SMS (agronomy)
5	Cultivation of pulses and oilseed crops in rice fallow lands	In Sali rice-fallow lands, cultivation of Lathyrus, Lentil, Pea, Toria etc. have been introduced in farmer's field as relay crop through FLD, OFT and Seed production programmes of KVK and RARS. -A. M. Deka, SMS (agronomy)
6	FLD on direct seeded Sali rice cultivation in farmer's fields.	Due to sufficient rainfall in Sali rice sowing time, field condition was not suitable for direct seeding of rice. The programme will be taken in this year. -A. M. Deka, SMS (agronomy)
7	Incorporation of seed production of greengram, blackgram and rabi pulses under OFT/FLD programmes.	Seed production of blackgram, greengram, lentil, lathyrus and toria have been taken in OFT/FLD programmes of KVK and RARS. -A. M. Deka, SMS (agronomy) & S. Bhagowati, SMS (Soil Science)
8	OFT/FLD on Var: Jalashree, Jalkunwari and Swarna Sub 1	FLD on "Performance of Jalashree, Jalkunwari and Swarna sub 1 (as check) on flood affected area" was conducted. -S. Bhagowati, SMS (Soil Science)
10	Training on Honey bee rearing suggested by NGO- Gramya Union Santha, Dhing, Nagaon	A training was organized at Dhing, Nagaon. A bulletin was also published on honey bee rearing. -D. Dutta, SMS (Plant Pathology)
11	Emphasis on commercialization of floriculture in farmers field	FLD on Gerbera and OFT on Kharif Marigold has been taken up. - S Das, SMS (Horticulture)
12	Method demonstration of Amla Candy preparation	FLD on preparation of Amla Candy was taken. -P Nath, SMS(Home Science)

13	Popularization of Maize Sheller for drudgery reduction	FLD on Popularization of Maize Sheller was taken & 80 maize shellers were distributed under FLD & Nutrifarm project. -P Nath, SMS(Home Science) & C. K. Deka, SMS, (Extn)
14	More emphasis to be given on Women empowerment and child development	Training on Income generation activities for empowerment of rural women through soft toy making, minimization of nutrient loss in processing, value addition of summer fruits and vegetables were taken up. -P Nath, SMS(Home Science)
15	Taking of recommended variety of Cabbage in OFT.	Due to shortage of fund OFT couldnot be taken up. -S Das, SMS (Horticulture)

**PROCEEDINGS OF SCIENTIFIC ADVISORY COMMITTEE MEETING HELD ON
25TH FEB, 2015**

Members Present:

1. Dr. G. N. Hazarika, Director of Research (Agri)
2. Dr. H. C. Bhattacharyya, Director of Extension Education, AAU, Jorhat-13
3. Dr. S. Paul, Scientist, ZPD unit, Zone-III, ICAR, Barapani
4. Dr. K. K. Borah, i/c. Dean, CoF, AAU, Raha
5. Dr. B. Guha, CS, RARS & I/C PC, KVK, Nagaon
6. Mr. Pabitra Kr. Sharmah, SDAO, DAO, Nagaon.
7. Sri Prafulla Kr. Sharma, ACF, ACF- Nagaon, Social Forestry Div., Environment & Forest Dept.
8. Dr. Nazim Uddin, APDO, Dept. of Veterinary, Nagaon
9. Mr. Prabin Baruah, Senior ADO, Dept. of Agriculture, Raha, Nagaon
10. Sri Surjya Katakati, Assistant Manager, DI & CC, Nagaon
11. Sri Bhadra Kanta Borah, Senior ADO, DAO, Nagaon
12. Md. A. H. Siddique, FEO, Dept of Fishery Nagaon
13. Sri Sarbeswar Saikia, Inspector, Dept. of Sericulture, Nagaon
14. Sri Indra Muhan Saikia, Coordinator, Gramin Unnayan Sangstha, NGO, Nagaon
15. Sri Naba Kr. Patar, Farmer, Phulaguri, Nagaon
16. Sri Pradip Deka, Farmer, Phulaguri, Nagaon
17. Sri Prabitra Borah, Farmer, Dhemaji, Nagaon
18. Sri Moni Deka Doloi, Farmer, Gandhibari, Nagaon
19. Sri Pabitra Kr. Kakati, Farmer, Dheraji, Nagaon
20. Md. Mainul Haque, Farmer, Nagaon
21. Sri Puwal Ch. Nath, Farmer, Jamuguri, Nagaon
22. Md. Sultan Ahmed, Farmer, Pub Mukunda Ati
23. Smt Anju Borkakati, Woman Farmer, Dhing, Nagaon
24. Smt Sonmani Saikia, Women Farmer, Dhing, Nagaon
25. Smt. Jnmoni Borkakati, Women Farmer, Dhing, Nagaon
26. Smt Priti Kumari Devi, Women Farmer, Kakatigaon, Nagaon
27. Smt Minakshi Devi, Women Farmer, Kakatigaon, Nagaon
28. Smt. Juri Barua, Master Trainer, Maj-jajari, Nagaon

The Scientific Advisory Committee (SAC) meeting of KVK, AAU, Nagaon was held on 25th February, 2015 in the Seminar Hall of RARS, AAU, Shillongani, Nagaon under the chairmanship of Dr. H.C. Bhattacharyya, Hon'ble Director of Extension Education, AAU, Jorhat. Out of 30 invitees 28 members participated in the meeting. The committee reviewed the progress of the activities and achievements and offered necessary guidance/suggestions to improve the functioning of KVK.

Dr. H.C. Bhattacharyya, Chairman extended a warm welcome to the distinguished invitees and in his opening remarks he highlighted the role of Krishi Vigyan Kendra in bridging the gap between research outputs and farmers. In his welcome address he elaborated the mandates of KVK and purpose

of holding SAC meeting. He suggested tying up KVK system with all the line Departments of Agriculture to bring visibility in KVK system. He emphasized on work up gradation of field functionaries through KVK linkage. He again suggested KVK scientists to develop adopted villages of their specialty and also in different enterprises.

Dr. G. N. Hazarika, Director of Research, AAU, Jorhat suggested developing seed/adopted villages and disseminating them in chain system. He advised the KVK scientists to involve practically in their different activities with the farmers. He also advised KVK and other departments to work together as a team. He stressed upon cultivation of pulses and oilseed crops in rice fallow lands which will reduce the gap between the requirement and production of pulses and oilseeds in Assam.

Dr. S. Paul, Scientist, ZPD, Zone-III, ICAR while addressing the meeting appreciated the KVK System as knowledge resource information centre. He suggested preparing one CD on Swain Flu for creating awareness of village people. He suggested the house that many projects can be taken up as joined venture amongst different disciplines of KVK.

Dr. K. K. Borah, i/c Dean CoF, AAU, Raha highlighted on skill development trainings, artificial insemination, training on swain flu, fodder cultivation etc. to improve veterinary production in Nagaon District. He also mentioned about the immense potentiality of fishery and broiler farming in different localities of Nagaon district. He told that integrated fish and pig farming is a good and beneficial practice to the farmers.

Dr. C. K. Deka, SMS (Extension Education), KVK, Nagaon presented the action taken report on the proceedings of the last SAC meeting held on 25th March, 2014.

Dr. B. Guha, Chief Scientist, RARS, Shillongani and Programme Coordinator (I/C), KVK, Nagaon presented the Annual Action Plan for 2015-16.

Regarding the proposed Action Plan for 2015-16, the following suggestions were made by the house. These are as follows:

- a) In OFT of Plant Pathology it was suggested to give pheromone trap in tomato.
- b) The house suggested to take Amla Sauce preparation as a method demonstration/training instead of OFT and Tea Plucking Basket as FLD under discipline of Home Science.
- c) Again house suggested taking OFT on Nutrition and Child Development under Home Science.
- d) Under Horticulture it was proposed to take FLD on floriculture in three seasons of the year and use of rice straw as mulch in Popularization of Capsicum.
- e) Under the discipline of Extension Education, house suggested to take Video Making on Mushroom cultivation as skill development training instead of FLD and to take KMAS and mAIP mobile solution as OFT.
- f) Planting material generation on turmeric should be incorporated.
- g) The house suggested to take an experiment on production of low cost fish feed.
- h) The house also suggested giving emphasis on food processing, product diversification and development in association with DIC.
- i) The house advised KVK to link up women farmers with DIC regarding training on food processing and weaving.
- j) The house also advised to take 7 days off campus skill development training on cutting and tailoring for different SHG.

Comments from the members:

Mr. Pabitra Kr. Sharmah, SDAO, DAO, Nagaon, stressed on taking awareness programme on climate change. He also proposed to develop cropping system and other technologies for drought and flood situation.

Md. A. H. Siddique, FEO, Dept of Fishery, Nagaon requested to include the fishery land use pattern of Nagaon district in the district profile. He also suggested developing paddy cum fish culture in actual field condition.

Sri Pradip Deka, Farmer, Phulaguri, Nagaon requested to make available *Rhizobium* culture for blackgram and greengram.

Sri Naba Patar, Farmer, Phulaguri, Nagaon requested to arrange training on Agronomy, Soil Science and Pathology disciplines to the same group of farmers for 3 days consecutively.

Chairman's Remarks:

Dr. H. C. Bhattacharyya in his Chairman's remarks stated that convergence with allied departments is to be strengthened by the KVK. He also proposed to work together for overall development of the district. Involvement of RARS, Shillongani scientists in KVK programmes was appreciated by him and he hoped to get continuous support from RARS Scientists. He advised the KVK scientists to work hard and to work in a team spirit.

The meeting ended with vote of thanks by the Chairmen himself.

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 Aquic 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 (2012-13)

Sl.No	Crop	Area (ha)	Production (MT)	Productivity (q/ha)
1	Winter rice	132567	315158	2415
2	Summer rice	66700	250125	3750
3	Autumn rice	32950	78421	2380
4	Wheat	4815	6163	1280
5	Jute	12500	28215	2250
6	Sugarcane	7446	322835	47870
7	Green gram	1478	1094	740
8	Black gram	3145	2705	860
9	Pea	4343	3605	830
10	Lentil	1753	1122	640
11	Toria	27276	23457	860
12	Sesamum	1112	634	570

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

Sl.No	Crop	Area (ha)	Production (MT)	Productivity (q/ha)
1	Potato	8783	160290	1825
2	Fruit crops	15635	234124	1555

3	Kharif vegetables	9926	156037	1572
4	Rabi vegetables	15176	307162	2024
5	Spices and Condiments	67251	20628	3300

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%) (Maximum)
		Maximum	Minimum	
April, 2014	74.2	32.6	19.6	75.7
May, 2014	183.9	31.6	22.8	85.6
June, 2014	203.6	32.7	25.8	86.0
July, 2014	329.1	33.0	26.0	89.0
Aug, 2014	259.6	31.1	26.0	86.0
Sept, 2014	349.9	31.4	25.1	88.0
Oct, 2014	22.7	31.5	23.1	84.0
Nov, 2014	0.0	28.7	18.2	89.9
Dec, 2014	0.0	26.1	15.6	68.9
Jan, 2015	0.0	24.7	11.3	89.1

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

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

Category	Area	Production	Productivity
Fish	42403 ha	26200 MT/year	61.20

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

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

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 2014-15

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	1				2			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
Agronomy	4	8	12	16	1	1	6	6
Soil Science	2	2	4	4	3	4	8	8
Extension	2	0	0	0	2	0	0	0
Plant Protection	2	2	6	6	2	1 Completed 1 Ongoing	6	6
Horticulture	2	1	6	3	3	2 On Going 1 completed	9	9
Home Science	2	0	0	0	4	2	26	26
Total	14	13	28	29	15	9	55	55

Note: Target must be as set during last Action Plan Workshop

N.B: Although the proposal of OFT and FLD of Extension discipline got sanctioned, but LOC could not be send due to shortage of fund.

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	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
Farmers								
Rural youth								
Extn. Functionaries								
Total								
Seed Production (ton.)				Planting material (Nos. in lakh)				
5		6		7		8		
Target		Achievement		Target		Achievement		
Sali Rice =90q		96.74q		Turmaric=1.5q		1.5q		
Blackgram =5.0		0.51q						
Green gram=5.0		0.40q						
Toria =12.0		16.8q						
Dhaincha =1.5		1.8q						

Note: Target must be as set during last Action Plan Workshop

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.

Agronomy									
1	Weed management	Black gram	30-40% yield reduction due to weed	Weed management in kharif blackgram var. KU-301	NA	-	NA	Training	Seeds, fert. & pesticides
2	Varietal performance	Toria	Low yield	Performance of new toria var TS -46	NA	-	NA	Training	Seeds, fertilizers & pesticides
3	Nutrient management	Toria	Low yield	Foliar application of urea on toria var TS-36	NA	-	NA	Training	Seeds, fert. & pesticides
4	Integrated Nutrient management	Lentil	Imbalance use of fertilizers	INM in lentil var. PL-406	NA	-	NA	Training	Seeds, fert. & pesticides
5	Integrated Nutrient management	Rajmah	Imbalance use of fertilizers	INM in Rajmah var.HUR 203	NA	-	NA	Training	Seeds, fert. & pesticides
6	Integrated Nutrient management	Wheat	Imbalance use of fertilizers	Effect of bio-fertilizer on the productivity of wheat (var. K0307)	NA	-	NA	Training	Seeds, fert. & pesticides
7	Varietal performance	Toria	Delayed sowing of toria due to late harvest of Sali rice	Performance of late sown toria var TS 67	NA	-	NA	Training	Seeds, fert. & pesticides
8	Integrated Nutrient management	Lathyrus	Imbalance use of fertilizers	INM in lathyrus var. Ratan	NA	-	NA	Training	Seeds, fert. & pesticides
9	Varietal performance	Lathyrus	Low yield	NA	Performance of lathyrus variety Ratan as relay crop after rice	-	NA	Training	Seeds, fert. & pesticides
Soil Science									
10	Soil health	Rajmah	Indiscriminate use of chemical fertilizers	INM in Rajmah	-	-	Integrated nutrient management	Field visit and demonstration	Seeds, fert, biofertiliz& pesticides

11	Performance of variety	Rice	Low yield due to flash flood		Performance of Jalshee, Jalakunwari and Swarna sub 1 (as check) in flood affected areas	-	-	Field visit and demonstration	Seed, fertilizers and chemicals
12	Soil acidity	Toria	Low yield due to soil acidity	-	Lime application in toria	-	Soil acidity and its management through lime application	Field visit and demonstration	Seed, lime, fertilizers and chemicals
13	Soil microbe	Blackgram (S)	Soil health deterioration	-	Application of biofertilizers in Blackgram	-	Integrated nutrient management	Field visit and demonstration	Seed, biofertilizers fertilizers and chemicals
14	Soil microbe	Greengram (S)	Soil health deterioration	-	Application of biofertilizers in Greengram	-	Integrated nutrient management	Field visit and demonstration	Seed, biofertilizers fertilizers and chemicals
Plant Protection									
15	Quality improvement	Jute (Var: Tarun)	Low fiber quality	Microbial retting of jute	-	Jute retting technology with microbial formulation	-	-	Supplied bacterial formulation @ 4kg/bigha
16	Disease management	Rice (Var: Ranjit)	False smut incidence	Control of False Smut Disease in Sali Rice	-	Pest and disease management in rice	Pest and disease management in rice	-	Supplied fungicide
17	Storage pest management	Green gram (Var: Pratap)	Heavy incidence of bruchids in pulse during storage	-	Storage pest management in green gram	Pest and disease management in pulses	-	Article published on Trtional Practices of storage of pulses" 11 Dec,2014 <i>The Dainik Janambhumi</i>	Supplied black pepper powder @ 450g/farmer

18	Others: Bird control	Boro rice	Bird problem	-	Bird scarring reflective ribbon	-	-	-	Supplied reflective ribbon
Horticulture									
19	Nutrient Management	Banana	Low Yield	Stagewise requirement of N and K in banana	NA	Improved Production tech. of banana.	NA	Training, Method demonstration, field visit	Planting materials, Fertilizers, Plant protection
20	Varietal Performance	Marigold	No summer var	Performance evaluation of summer marigold var Seracole	NA	Improved production Technology of Summer marigold	NA	Training, Demonstration, field visit	Planting materials, Fertilizers, Plant protection
21	Productivity Enhancement	Banana	Low Yield	NA	Performance assessment of Tissue culture banana	Improved Production tech. of banana	NA	Training, Demonstration, field visit	Planting materials, Fertilizers, Plant protection
22	Varietal Performance	Gerbera	Lack of knowledge, awareness on varieties of gerbera	NA	Performance of Gerbera Variety Redgem	Improved production Technology of Gerbera	NA	Training, Demonstration, field visit	Planting materials, Fertilizers, Plant protection
23	Varietal Performance	Turmeric	Low yield	NA	Performance of turmeric Variety Megha	Improved production Technology of Turmeric	NA	Training, Demonstration, field visit	Planting materials, Fertilizers, Plant protection
24	Crop Management	Assam Lemon	Low yield	NA	Training & pruning & Nutrient mgmt in Assam Lemon	Improved production Technology of Assam Lemon	NA	Training, Demonstration, field visit	Planting materials, Fertilizers, Plant protection
Home Science									
25	Energy saving tools/ devices	Maize	Drudger observed during shelling of Maize	NA	Popularization on use of Maize Sheller in Maize growing areas	Different drudger reducing tools	NA	Demonstration on use of Maize Sheller	Maize Sheller
26	Storage technique	Amla	Poor Seasona	NA	Popularization	Preservation	NA	Demonstration on	Amla, Sugar,

	es (grains/ fruits/ fishes/ meat etc)		l Utilizatio n of Amla		on processi ng of Amla Candy by the SHG//	of Fruits and Vegeta bles		Amla Candy Making	Other Spices
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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	Flowers	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation		2					1			3
Weed Management			1							
Integrated Crop Management										
Integrated Nutrient Management	1	1	4							
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction	1									
Farm machineries										
Value addition						1				
Integrated Pest Management										
Integrated Disease Management	2									
Soil amendments			1							
Storage pest management			1							
Quality improvement				1						
Nutrient Management						1				1
TOTAL	4	3	7	1	-	2	1	-		4

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

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Pest Management										
Integrated Disease Management										
Small Scale income generating enterprises										
TOTAL	-	-	-	-	-	-	-	-	-	-

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

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

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: NIL

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								

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

A.5. Results of On Farm Testing

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C Ratio (if applicable)
1	Weed management in kharif blackgram var. KU-301	30-40% yield reduction due to weed	T ₁ : Pre-emg appln. of pendimethalin @ 1kg/ha T ₂ : One hand weeding at 25days after sowing (FP).	Black gram	3	Average Yield (q/ha) T ₁ : 9.35 T ₂ : 9.00	Satisfied with the performance of the technology	-	T ₁ : 1.68 T ₂ :1.40
2	Performance of new toria var TS -46	Low yield	T ₁ : Var.TS 46 T ₂ : Check var. TS 36	Toria	1	Average Yield (q/ha) T ₁ : 11.50 T ₂ :10.80	Satisfied with the performance of the variety	-	T ₁ : 1.81 T ₂ : 1.73
3	Foliar application of urea on toria var TS-36	Low yield	T₁ : Basal application of RF + 1% Urea spray at 50% flowering & 50% pod filling stages T₂ : Basal application of RF (Control)	Toria	1	Average Yield (q/ha) T ₁ : 10.90 T ₂ :9.50	Satisfied with the performance of the technology	-	T ₁ : 1.57 T ₂ : 1.52
4	INM in lentil var. PL-406	Imbalance use of fertilizers	T ₁ : 50% RD+ 1t VC +2% Urea spray at branching & pod initiation T ₂ : 75% RD+ 0.t VC +2% Urea spray at branching & pod initiation T ₃ : Farmer's Practice	Lentil	3	On-going			

5	INM in Rajmah var.HUR 203	Imbalance use of fertilizers	T ₁ : 50% RD+ 1t VC +2% Urea spray at branching & pod initiation T ₂ : 75% RD+ 0.5t VC +2% Urea spray at branching & pod initiation T ₃ : Farmer's Practice	Rajmah	3	On-going
6	Effect of bio-fertilizer on the productivity of wheat (var. K0307)	Imbalance use of fertilizers	T ₁ : 75% RD+ Azotobacter & PSB T ₂ : 100% RD+ Azotobacter & PSB T ₃ : 75% RD only (Control)	Wheat	1	On-going
7	Performance of late sown toria var TS 67	Delayed sowing of toria due to late harvest of Sali rice	T ₁ : Var. TS 67 T ₂ : Check var.TS 36	Toria	1	On-going
8	INM in lathyrus var. Ratan	Imbalance use of fertilizers	T1: 5:13kg N, P/ha & 5:13:15kg N, P, K/ha at rice harvest + seed inoculation with rhizobium & PSB @ 50g/kg + 2% Urea spray at branching & pod initiation T2: 7.5:17.5kg N, P/ha & 7.5:17.5:15kg N, P, K/ha at rice har +seed inoculation with rhizobium & PSB @ 50g/kg + 2 % Urea spray at branching & pod initiation	Lathyrus	3	On-going

			T3: Farmer's Practice							
9	Acid soil management in kharif Green Gram	Low yield due to soil acidity	T ₁ = 33% of LR + RD + 2% urea spray at pod initiation stage T ₂ = Recommended dose T ₃ = Farmers practice	Greengram	2	Average Yield (kg/ha) T ₁ : 5.1 T ₂ : 4.7 T ₃ : 2.8	Placement of lime is difficult for the farmers	-	T ₁ : 1.47 T ₂ : 1.38 T ₃ : 1.01	
10	INM in Rajmah	Indiscriminate use of chemical fertilizers	T ₁ = N: P ₂ O ₅ : K ₂ O @ 60: 45: 40 kg /ha + seed inoculation with PSB @ 50 g/kg of seed + 3 sprays of 2% urea at 45 DAS, 60 DAS and 70 DAS (nitrogen in two splits: basal + top dressing at 30 DAS) T ₂ = Recommended dose T ₃ = Farmers Practice	Rajmah	2	On going				
Plant Protection										
11	Microbial retting of jute	Low fiber quality	T ₁ : 30 Kg/ha bacterial consortium at the time of retting T ₂ : FP(without consortium)	Jute	2	Technology		Satisfied with the technology	-	Technology: 2.98 FP: 2.62
						i) D/A of bact formulation	Loc1 :22 nd Aug Loc2 :23 rd Aug			
						ii) Duration of retting (Days)	Loc1: 12 Loc2: 13			
						iii) Colour of jute fiber	Loc1: Golden yellow Loc2: -do-			
						iv) Fiber	Loc1: 24.2			

						strength (g/tex)	Loc2: 22.8 Av: 23.5			
						Farmer Practice				
						i) Duration of retting (Days)	Loc1: 16 Loc2: 21			
						ii) Colour of jute fiber	Loc1: Dirty white Loc2 :-do-			
						iv)Fiber strength (g/tex)	Loc1: 19.8 Loc2: 18.6 Av: 19.2			
12	Control of False Smut Disease in Sali Rice	False smut incidence	T ₁ : Spraying of propiconazole 25EC @1ml/lit at 50% panicle emergence stage T ₂ :FP(without chemical spray)	Rice	2	Technology		Satisfied with the technology	-	Technology: 2.98 FP: 2.68
						1.Grain yield	Loc1 :34.71 Loc2 :36.21 Av: 35.46 q/ha			
						2. % Disease incidence	Loc1: 2.2 Loc2: 1.8 Av : 2%			
						3. % increase over control	21.10			
						4.Net return (Rs/ha)	31880			
						Farmer Practice				
						1.Grain yield	Loc1 :28.59 Loc2 :29.97 Av: 29.28q/ha			
						2. % Disease incidence	Loc1: 16 Loc2 : 20 Av: 18%			

						3.Net return (Rs/ha)	24531			
13	1.Stagewise requirement of N and K in banana	Low yield	Technology: T₁: 110gN and 330g K ₂ O/plant applied in 3 splits doses 1)60% of N at planting to 5 mths. 2)20% of N at shooting 3)20% of N at last hand opening to harvest 4)40% of K at shooting 60% at last hand opening to one month before harvest. 33gm P ₂ O ₅ applied at 3 months after planting T₂: 110gN and 330g K ₂ O and 33gm P ₂ O ₅ / plant applied in 2 splits doses at 2mts and 5 mts after planting T₃: Farmers practice	Banana	3	On Going				
14	Performance evaluation of Summer Marigold	No suitable summer var	Technology: T₁: Seracole var T₂: Local var	Marigold	3	Growth parameters, yield attributes, yield & economics Yield	Satisfied with the technology	More yield over local	T ₁ :4.5 T ₂ : -	

						(t/ha) T1 :14.52 T2 :No flowering is observed				
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*Field crops – ton/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

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

3.2 Achievements of Frontline Demonstrations during 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	Toria	Lime application in toria	3	3	2.0

* 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 (Rainfed / Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/S T	Others	Total			N	P	K

1.	Lathyrus	Varietal performance	Performance of lathyrus variety Ratan as relay crop after rice	Rabi, 2014	1	1	2	4	6	NA	Rainfed, clay loam soil	L	M	L
2.	Rice	Varietal performance	Performance of Jalashree, Jalkunwari and Swarna Sub 1 (as check) in flood affected areas	Kharif 2014	0.4	0.3	1	1	2	NIL	Rainfed Clay loam soil	M	L	M
3.	Toria	Soil amendment	Lime application in toria (Var: TS 38)	Rabi 2014-15	1.0	1.0	1	2	3	NIL	Rainfed Sandy loam soil	M	M	L
4.	Blackgram	Soil microbes	Application of biofertilizer in blackgram (Var: KU 301)	Summer 2015	0.5	0.5	2	1	3	NIL	Rainfad Sandy loam soil	M	M	L
5	Greengram	Soil microbes	Application of biofertilizer in greengram (Var: Pratap)	Summer 2015	0.5	0.5	2	1	3	NIL	Rainfad Sandy loam soil	M	M	L
6	Green gram	Storage pest management	Application of Black pepper powder @3gm/kg of seed followed by bagging in poly bag covered with gunny bags	Summer 2014-2015	150 kg/Farmer	150kg/Farmer	1	2	3	NIL	Rainfad Sandy loam soil	M	M	L
7	Boro rice	Bird Control	Reflective ribbon is to be tide at milky stage	2015	0.8	0.8	1	2	3	ongoing				

1.	Banana	Varietal evaluation	Performance assessment of tissue culture banana	June 2014	0.24	0.24	1	2	3	NA	Irrigated sandy loam to clay loam	M	L	M
2.	Gerbera	Varietal evaluation	Performance of Gerbera var Red Gem	Oct 2014	0.05	0.05	1	2	3	NA	Irrigated sandy loam to clay loam	M	L	M
3.	Assam Lemon	Crop Management	Training and Pruning and nutrient management in Assam Lemon	Oct 2013	0.13	0.13	2	3	5	NA	RF Sandy loam soil	M	L	M
4.	Turmeric	Varietal evaluation	Performance of Turmeric var Megha	May 2014	0.19	0.19	1	2	3	NA	RF Sandy loam soil	M	L	M

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)					
				Demo.	Check		H*	L*		GC**	GR**	NR**	BCR**	GC	GR	NR	BCR		

1	Lathyrus	Varietal performance	1.0		On-going															
2	Rice	Varietal performance	0.3	Jalashree 19.4 Jalkunwari 20.0	Swarna Sub 1 40.0	-	-	-	No disease & pest	No disease & pest		21250	25220	3970	1.2	21250	52000	30750	2.4	
												21250	26000	4750	1.2					
3	Toria	Soil amendment	1.0																	
4	Black gram	Soil microbes	0.5		On going															
5	Green Gram	Soil microbes	0.5		On going															
6	Green gram	Storage pest management	150kg/Farmer	% Infestation			Germination %													
				1 st month	3 rd month	6 th month	Demo	Local												
				Demo	Nil	Nil	Nil	Av: 84	Av:8		5600	18000	12400	3.2	3800	10260	6460	2.7		
Check	Av:19	Av: 52	Av:86																	
7	Boro rice	Bird control	0.8		Ongoing															
8	Banana	Varietal evaluation	0.24		On Going															
9	Gerbera	Varietal evaluative	0.05		On Going															
10	Asam Lemon	Crop Management	0.13	147600	127100	16	169000	126200	-	-	70636	246000	175364	3.5	56000	158875	102875	2.8		

11	Turmeric	Varietal evaluative	0.19	224	150	49	241	207	-	-	72000	268800	196800	3.7	72000	180000	108000	2.5
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*H-Highest recorded yield, L- Lowest recorded yield

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

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

d. Extension and Training activities under FLD on Crops :

Sl.No.	Activity	No. of activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	1	2.03.15	30	28	58	
2	Farmers Training	5	06.06.14 04.10.14 16.10.14 03.01.15 04.01.15	45	10	55	
3	Media coverage	-	-	-	-	-	-
4	Training for extension functionaries	-	-	-	-	-	-
5	Any other (Pl. specify)	-	-	-	-	-	-
	Total	6	6	75	38	113	

e. Details of FLD on Enterprises

(i) Farm Implements / Energy Saving Tools / Other Enterprises

Name of the implement	Crop	No. of farmers	Area (ha) / Units	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Maize Sheller	Maize	30 Farm women	30		Using maize Sheller	By Hand	50% increase in shelling of	

				Time taken for shelling of a Maize Cob	30 sec	55 sec	maize cob observed		
				Drudgery Observed	No such issues	1.Nails injury 2. Hands get tired 3. Injury to hands, finger is high			
				Efficiency	The fins detach corn kernels from the cob at the rate of about 20 kg per hour.	Depends on Individuals efficiency. Approx. 10 – 12 Kgs per hour			
				Cost Comparison (cob per man days)	Rs.0.35 paisa per cob (840 cob per man days)	Rs.0.71 paisa per cob (420 cob per man days)			
Amla Candy	Amla	20 Farm Women	2 SHG		Amla Candy	Dried Amla Supari	-	There is a high demand for the product in the market	
				Time taken for Preparation	4-6 Days	3-4 days			
				Shelf Life	6 Months	6 months			
				Taste Acceptance Amongst the SHG Women	High	-			
				Cost of the Product per 500 g	Rs. 30	Rs.20			
				Market Demand	Good	-			

(ii) Livestock Enterprises: NIL

(iii) Fisheries: NIL

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	The matic area	Name of Technology	No. of farmers	No. of units	No. of fish/fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks	
							Dem o	Chec k		Dem o	Chec k	G C * *	G R * *	N R * *	B C R * *	GC	GR	N R	B C R		

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

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

(iv) Other enterprises: NIL

(v) Farm Implements and Machinery: NIL

f. Performance of FLD on Crop Hybrids: NIL

Discipline: Extension Education

Field Study:

1	A study on the Extent of Adoption of Recommended package of Practices of selected Pulse crops by the Farmers in Nagaon District of Assam.	Programme: MSc. (Agri) Student: Sri. Arupjyoti Goswami Department of Extension Education, /C/A, BNCA. Major Advisor: Dr.C.K.Deka, SMS, KVK, Nagaon	Study is going on.
2	mAIP Pilot Project in Nagaon District of Assam	Funded by Sathguru Management Consultancy Pvt. Ltd, Hyderabad.	Project is going on.

3.3. Achievements on Training

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

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

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
	On-Campus (1)	Sponsored* (2)	Total (1+2)	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	
I. Crop Production																						
Weed Management																						
Fodder production																						
Production of organic inputs																						
others																						
Training on PPV and FR Act,2001	1	0	1	55	0	5	0	60	0	18	0	3	0	21	0	73	0	8	0	81	0	81
Seminar on Usage of Agrotexiles for protected cultivation in Assam and its Advantages	1	0	1	70	0	15	0	85	0	20	0	15	0	35	0	90	0	30	0	120	0	120
Farmers Scientist interaction programme	1	0	1	75	0	12	0	87	0	25	0	8	0	33	0	100	0	20	0	120	0	120
II. Horticulture																						
a) Vegetable Crops																						

Production of low volume and high value crops																								
Grading and standardization																								
Protective cultivation (Green Houses, Shade Net etc.)																								
b) Fruits																								
Training and Pruning																								
c) Ornamental Plants																								
Nursery Management																								
Management of potted plants																								
Propagation techniques of Ornamental Plants																								
d) Plantation crops																								
Production and Management technology																								
Processing and value addition																								
e) Tuber crops																								
Production and																								

Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water																						

Testing																				
IV Livestock Production and Management																				
Dairy Management																				
Poultry Management																				
V Home Science/Women empowerment																				
Household food security by kitchen gardening and nutrition gardening																				
Design and development of low/minimum cost diet																				
Location specific drudgery reduction technologies																				
Women and child care																				
VI Agril. Engineering																				
Installation and maintenance of micro irrigation systems																				
Use of Plastics in farming practices																				
Post Harvest Technology																				

VII Plant Protection																				
Integrated Pest Management																				
Integrated Disease Management																				
Bio-control of pests and diseases																				
Production of bio control agents and bio pesticides																				
VIII Fisheries																				
Integrated fish farming																				
Carp breeding and hatchery management																				
Breeding and culture of ornamental fishes																				
Portable plastic carp hatchery																				
Pen culture of fish and prawn																				
Fish processing and value addition																				
IX Production of Inputs at site																				
Seed																				

Production																							
Production of livestock feed and fodder																							
X Capacity Building and Group Dynamics																							
Leadership development																							
Group dynamics																							
WTO and IPR issues																							
3.3.2. Achievements on Training of <u>Farmers and Farm Women in Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes (*Sp. Off means Off Campus training programmes sponsored by external agencies)																							
Thematic area	No. of Courses/ prg.			Participants																		Grand Total	
	Off	Sp Off*	Total	General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*		
I. Crop Production																							
Production technology	7	-	7	160	-	10	-	170	-	40	-	3	-	43	-	200	-	13	-	213	-	213	
II. Horticulture/																							
a) Vegetable Crops																							
Nursery raising	1	-	1	14	-	8	-	22	-	5	-	-	-	5	-	19	-	5	-	26	-	26	
b) Fruits																							
Cultivation of Fruit	1	-	1	12	-	2	-	14		7	-	3	-	10	-	19	-	5	-	24		24	
Management of young plants/orchards	1	-	1	14	-	8	-	22	-	5	-	-	-	5	-	19	-	5	-	26	-	26	

f) Spices																						
Production and Management technology	2	-	2	28	-	14	-	42	-	10	-	-	-	10	-	38	-	10	-	52	-	52
II Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management	1	-	1	14	-	8	-	22	-	5	-	-	-	5	-	19	-	5	-	26	-	26
Production and use of organic inputs	1	-	1	20	-	-	-	20	-	6	-	-	-	6	-	26	-	-	-	26	-	26
Management of Problematic soils	1	-	1	6	-	-	-	6	-	20	-	-	-	20	-	26	-	-	-	26	-	26
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security																						

by kitchen gardening and nutrition gardening																							
Designing and development for high nutrient efficiency diet																							
Minimization of nutrient loss in processing	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	25	25	0	25	0	25	
Gender mainstreaming through SHGs																							
Storage loss minimization techniques																							
Value addition	2	0	2	0	0	25	0	25	0	0	25	0	25	0	0	25	25	0	50	50	0	25	
Income generation activities for empowerment of rural Women	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	25	25	0	25	0	25	
Women and child care	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	25	25	0	25	0	25	
VI Agril. Engineering																							
Installation and maintenance of micro																							

irrigation systems																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management	2	-	2	8	-	4	-	12		12	-	3	-	15	-	20	-	7	-	27		27
Integrated Disease Management	1	-	1	12	-	2	-	14		7	-	3	-	10	-	19	-	5	-	24		24
Bio-control of pests and diseases	2	-	2	13	-	1	-	14		21	-	3	-	24	-	34	-	4	-	38	-	38
VIII Fisheries																						
Integrated fish farming																						
Composite fish culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Small tools and implements																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						

WTO and IPR issues																						
Others																						
Market driven crop planning and crop diversification	1	-	1	18	0	0	0	18	0	1	0	0	0	1	0	19	0	0	0	19	0	19
Marketing of Agriculture produce	1	-	1	26	0	0	0	26	0	1	0	0	0	1	0	26	0	0	0	26	0	27
Marketing of Agriculture produce	1	-	1	30	0	0	0	30	0	0	0	0	0	0	0	30	0	0	0	30	0	30
Training to technology showcase farmers	1	-	1	26	0	0	0	26	0	5	0	0	0	5	0	26	0	5	0	31	0	31

(B) RURAL YOUTH

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

Thematic area	No. of Courses/ Prog			Participants																		Grand Total (x + y)
	On (1)	Sp On* (2)	Total (1+2)	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x = a + c)	Sp. On (y = b + d)	
Mushroom Production																						
Protected cultivation of vegetable crops																						

Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Tailoring and Stitching																						
Rural Crafts																						

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

Thematic area	No. of Courses/ Prog.			Participants																	Grand Total	
	Off	Sp Off	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Off	Sp Off *	Off	Sp Off *	Off	Sp Off *	Off		Sp Off *
Mushroom Production																						
Bee-keeping	1		1	16	-	-	-	16	-	11	-	-	-	11	-	27	-	-	-	27	-	27
Integrated farming																						
Seed production																						
Production of organic inputs	1	-	1	14	-	6	-	20	-	7	-	-	-	7	-	21	-	6	-	27	-	27
Soil fertility	1	-	1	7	-	-	-	7	-	20	-	-	-	20	-	27	-	-	-	27	-	27

management																							
Integrated Farming																							
Planting material production	1	-	1	14	-	8	-	22	-	5	-	-	-	5	-	19	-	5	-	26	-	26	
Vermiculture																							
Sericulture																							
Dairying																							
Sheep and goat rearing																							
Fry and fingerling rearing																							
Tailoring and Stitching																							
Rural Crafts																							

C. Extension Personnel

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

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)	
	On (1)	Sp On* (2)	Total (1+2)	General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
				On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+ 6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+1 0)	Sp. On (d= 9+1 1)	On (4+ 8)	Sp. On (5+ 9)	On (6+1 0)	Sp. On (7+1 1)	On (x = a +c)	Sp. On (y= b +d)		
Productivity enhancement in field crops																							
Protected cultivation technology																							
Formation and																							

Management of SHGs																						
Group Dynamics and farmers organization																						
Capacity building for ICT application																						
Gender mainstreaming through SHGs																						
3.3.6. Achievements on Training of <u>Extension Personnel</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes (*Sp. Off means Off Campus training programmes sponsored by external agencies)																						
Thematic area	No. of Courses/ prog.			Participants																		Grand Total
	Off	Sp Off *	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Off	Sp Off*	Off	Sp Off *	Off	Sp Off*	Of f	Sp Off *	
Integrated Pest Management	2		2	24	-	-	-	24	-	17	-	-	-	17	-	41	-	-	-	41	-	41
Integrated Nutrient management																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						

Capacity building for ICT application																							
Group dynamics and farmers organization	1	-	1	22	0	0	0	22	0	2	0	0	0	2	0	24	0	0	0	24	0	24	

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
All discipline	Conservation of germplasm	Training on PPV and FR Act,2001	27.11.14	1	KVK, Nagaon	Farmer & Farm women	55	5	60	18	3	21	60	21	81
	Protected cultivation	Seminar on Usage of Agrotextiles for protected cultivation in Assam and its Advantages	24.12.14	1	KVK, Nagaon	Farmer & Farm women	70	15	85	20	15	35	90	30	120

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Production Technology	Improved production tech. of kharif pulses	15.09.14	1	Hatiekhuwa , Kaliabor	Farmer & Farm women	20	2	22	4	-	-	22	4	26
		Improved production tech. of oilseeds	27.09.14	1	Dhemaji	Farmer & Farm women	14	-	14	15	2	17	29	2	31
		Improved production tech. of rabi pulses	13.10.14	1	Mohgarh	Farmer & Farm women	20	-	20	6	-	6	-	-	26
		Improved production tech. of boro rice	09.02.15	1	Bejar gaon	Farmer & Farm women	10	-	10	20	-	20	30	-	30
		Improved production tech. of boro rice	10.02.15	1	Jallah haluwa gaon	Farmer & Farm women	25	-	25	-	-	-	25	-	25
		Improved production tech. of Jute	06.03.15	1	Phulaguri	Farmer & Farm women	15	2	17	6	2	8	21	4	25
		Improved production tech. of Jute	07.03.15	1	Mohgarh	Farmer & Farm women	15	3	18	5	2	7	20	5	25
Soil science	Soil acidity	Acid soil and its management	26.06.14	1	Kahiguri	PF	6	-	6	20	-	20	26	-	26

		through lime application													
	Organic inputs	Production of organic inputs	2.09.14 & 4.09.14	2	Bamuni	RY	7	-	7	20	-	20	27	-	27
	Soil fertility	Soil fertility management	15.10.14 & 17.10.14	2	Tukurabahi	RY	14	6	20	7	-	7	21	6	27
	Organic inputs	Production of organic inputs	28.10.14 & 30.10.14	2	Kaki	PF	20	-	20	6	-	6	26	-	26
	Organic inputs	Integrated nutrient management	03.02.15	1	Doboka	PF	14	8	22	5	-	5	19	8	27
Extension Education	Marketing Extension	Market driven crop planning and crop diversification	30.8.14	1	Dubaritoli	PF	18	0	18	1	0	1	18	1	19
	Marketing	Marketing of Agricultural produce	5.9.14 and 6.9.14	2	Hatiakhowa	PF	26	0	26	1	0	1	26	0	27
	Marketing	Marketing of Agricultural produce	8.9.14 and 9.9.14	2	Barhampur	PF	30	0	30	0	0	0	30	0	30
	Seed production	Training to Technology showcase farmers	12.9.14	1	KVK, nagaon	PF	26	0	26	5	0	5	31	0	31
	Group dynamic	Group dynamics and farmers organization	20.2.15	1	SDAO, Kaliabor	EF	22	0	22	2	0	2	24	0	24
Plant protection	Biocontrol and Biopesticide	Biopesticide and its uses in disease management	25/6/14-26/6/14	2	Raha, Nagaon	PF	13	1	14	21	3	24	34	4	38

	Use of Pesticide	Safety handling of pesticides	23/7/14	1	Dakorghat, Nagaon	PF	9	3	12	18	4	22	27	7	34
	Disease management	Integrated disease management of pulses	24/7/14	1	Barpujia, Nagaon	PF	12	2	14	7	3	13	19	5	24
	Disease management	Integrated disease management of rice	2/9/14-3/9/14	2	Kaliabor, Nagaon	PF	8	4	12	12	3	15	20	7	27
	Income generation	Rearing of honeybee	18/11/14	1	Dhing, Nagaon	RY	16	-	16	11	-	11	27	-	27
	Integrated pest and disease management	Integrated pest and disease management of rice	26/11/14	1	SDAO, Hojai, Nagaon	EP	12	-	12	15	-	15	27	-	27
	Integrated pest and disease management	Integrated pest and disease management of oilseed	20/2/15	1	SDAO, Kaliabor, Nagaon	EP	12	-	12	2	-	2	14	-	14
Horticulture															
	Production and Management technology	Production technology and post harvest management of Ginger and Turmeric	16/6/14	1	Kakatigaon	PF	12	2	14	7	3	13	19	5	24
	Cultivation of Fruit	Production and management technology of fruit crops Banana & Assam Lemon	1/7/14 to 3/7/14	3	Missamukh pam	PF	12	3	14	7	3	13	19	5	24

	Production and Management technology	Production and management technology of Blackpepper	3/3/15 to 4/3/15	2	Dakarghat	PF	12	3	14	7	3	13	19	5	24
	Plant propagation techniques	Plant propagation techniques with emphasis on Assam Lemon, Litchi	4/9/14	2	Barhampur	RY	12	3	14	7	3	13	19	5	24
	Management of young plants/orchards	Production and management technology of Coconut and Arecanut.	11/2/15	1		PF	12	3	14	7	3	13	19	5	24
	Nursery raising	Nursery raising of transplanted vegetable	11/9/14	1		PF	12	3	14	7	3	13	19	5	24
Home Science															
	Value Addition	Value Addition of Summer Fruits & Vegetables	02/09/15 & 03/09/15	2 days	Bamuni	Farm Women	0	0	0	0	25	25	0	25	25
	Income generation activities for empowerment of rural women	Income generation activities for empowerment of rural women through soft toy making	26/09/15 & 27/09/15	2 days	Deubhetibali	Farm Women	0	20	25	0	5	5	0	25	25
	Women and Child Care	Women and Child Care	29/01/16	1 day	Duburitoli	Farm Women	0	20	25	0	5	5	0	25	25
	Minimization of	Minimization of nutrient loss in	12/09/14	1 day	Raidengia	Farm Women	0	25	25	0	0	0	0	25	25

	nutrient loss in processing	processing														
	Value Addition	Value Addition of Summer Fruits & Vegetables	15/10/15 & 16/10/15	2 days	Kakatigaon	Farm Women	0	25	25	0	0	0	0	25	25	

(D) Vocational training programmes for Rural Youth: NIL

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
On campus	PF , RY and EP	27.11.2014	1	All discipline	Conservation of germplasm	Training on PPV and FR Act,2001	55	5	60	18	3	21	60	21	81	PPV and FR, Guwahati	40,000.00
On campus	PF , RY and EP	24.12.2014	1	All discipline	Protected cultivation	Seminar on Usage of Agrotextiles for protected cultivation in Assam and its Advantages	70	15	85	20	15	35	90	30	120	SAS MIR A, Mumbani	40,000.00
On Campus	PF , RY and EP	24.12.2014	1	All discipline	Agriculture	Farmers Scientist interaction programme	75	12	87	25	8	33	100	20	120	AIR, Nagaoon	-

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

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	Advisory services	-	-	175	-	-	-	-	-	-	-	-	-	-	-	719
2.	Diagnostic visit	1.Potash deficiency in rice	3/9/14, 1day	1	2	-	2	6	-	6	-	-	-	8	-	8
		2.Fusarial wilt of tomato	26/11/14,1 day	1	7	-	7	2	-	2	1	-	1	9	-	9
		3..Bacterial wilt of chilli	20/2/15,1 day	1	3	-	3	7	2	9	1	-	1	10	2	12
		4.Cut worm in mustard	18/11/14, 1 day	1	5	3	8	2	-	2	-	-	-	7	3	10
		5. Wooly aphid in sugarcane	23/7/14,1 day	1	8	2	10	3	4	7	-	-	-	11	6	17
		6. Stem borer in rice	20/8/14,1day	1	2	-	2	1	2	3	1	-	-	3	2	5
		7. Mosaic of green gram	4/11/14,1 day	1	4	3	7	3	1	4	1	-	1	7	4	11
		8. BPH of Rice	23/9/14,1 day	1	7	-	7	-	-	-	-	-	-	7	-	7
		9. Banana Psudostemborer	9/12/14 day	1	3	6	9	2	3	5	-	-	-	5	9	14
3.	Field day	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.	Group Discussion	-	-	15	-	-	-	-	-	-	-	-	-	-	-	140
5.	Kishan Gosthi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kishan Mela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.	Film show	Demonstration of Food making from Maize	25.2.15	2												60
7.	SHG formation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

8.	Exhibition	1. Stall at Assam Sahitya Sabha. 2. 2 nd international Agri Horti Show, Guwahati.	1-4 Feb, 2015 and 10-14 Feb, 2014	2	-	-	-	-	-	-	-	-	-	-	-	Countless public gathering
9.	Scientists visit to farmers fields			105	-	-	-	-	-	-	-	-	-	-	-	525
10	Plant/ Animal Health camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Farm science club	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Ex-trainee Sammelan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Farmers seminar/ workshop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Method demonstration	Processing and Value addition of Maize		36	-	50	50	-	22	22	3	0	3	53	22	756
		Use and application of biopesticide – Bioveer	22/7/14 1 day 26/11/14 1 day	2	7	-	7	2	-	2	-	-	-	9	-	9
15	Celebration of important days															
	World Environment day	Awareness on protection of environment	5.6.2014	1	17	11	28	7	45	12	-	-	-	28	12	400
	Foundation day celebration of AAU at RARS and KVK, Shillongani	About establishment of AAU.	1.4.2014	1	45	23	68	2	18	40	-	-	-	68	40	108
	World Food Day celebrated at Morigaon	1. Kitchen Garden, 2. Importance of Nutrition for good health	16/10/2015	1	95	30	12	6	10	75	5	2	7	13	77	207

	Kissan Divas			1	95	25	12	2	6	30	4	-	4	12	30	154
16	Exposure visits	Exposure visit of farmers to FMTTI, Biswanath Chariali	30..7.2014 and 2.1.2015	2	35	0	35	2	0	25	0	0	0	60	0	60
17	Electronic media (CD/DVD)	Training cum demonstration on Food processing and value addition of Maize	July,2014	1	-	-	-	-	-	-	-	-	-	-	-	-
18	Extension literature	-	-	12	-	-	-	-	-	-	-	-	-	-	-	12
19	Newspaper coverage	-	-	7	-	-	-	-	-	-	-	-	-	-	-	7
20	Popular articles	-	-	8	-	-	-	-	-	-	-	-	-	-	-	8
21	Radio talk	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5
22	TV talk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Training manual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Soil health camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Awareness camp	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
26	Lecture delivered as resource person	-	-	10	-	-	-	-	-	-	-	-	-	-	-	10
27	PRA	PRA Exercise	16.10.2014	1	17	3	20	1	0	16	0	0	0	20	16	36
			17.10.2014	1	16	2	18	7	1	8	0	0	0	23	3	26
28	Farmer-Scientist interaction	Farmer-Scientist interaction	12.2.2015	1	17	2	19	8	0	8	1	0	1	26	2	28
			27.2.2015	1	20	0	20	5	0	5	1	0	1	25	1	26
29	Soil test campaign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Mahila Mandal Convener meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	Any other (Please specify)															
1.	SHG Conveners meeting	SHG Conveners meeting	23.8.2014	1	0	23	23	0	7	7	0	1	1	0	31	31
			26..8.2014	1	0	15	15	0	5	5	0	1	1	0	21	21
			29.8 .2014	1	0	24	24	0	9	9	0	1	1	0	34	34

	Horticulture Show	-	July, 2014	1	-	-	-	-	-	-	-	-	-	-	-	200
	E-publication	Essentials of computing for KVK Professionals	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	VCD Development	1.IPM in Rice 2.Green Computing	-	2	-	-	-	-	-	-	-	-	-	-	-	2

3.5 Production and supply of Technological products during 2014-15

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Rice	Ranjit	32.96	85696.00	Not yet sold		
		Bahadur	54.78	142428.00			
		Gitesh	9.0	23400.00			
OILSEEDS	Toriam	TS-38	12.0	84000.00	Not yet sold		
		TS-36	4.8	28800.00			
PULSES	Blackgram	Shekhar-1	0.51	6120.00	Sold		
	Greengram	Pratap	0.40	4800.00	Sold		
SPICES	Turmaric	Megha	1.5	7500.00	Not yet sold		
OTHERS	Dhaincha	S.accumata	1.8	10800.00	Not yet sold		

A1. SUMMARY of Production and supply of Seed Materials during 2014-15

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	96.74	251524.00	Not yet sold		
2	OILSEEDS	16.8	112800.00	Not yet sold		
3	PULSES	0.91	10920.00	Not yet sold		
4	DHAINCHA	1.8	10800.00	Not yet sold		
5	TOTAL	116.25	386044.00			

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Spices	Turmaric	Megha	1.5 q	7500.00	Not yet sold		

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2014-15

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Spices	1.5q	7500.00	Not yet sold		
TOTAL		1.5q	7500.00			

C.

i) Other production programme of KVK, Farm (2014-15)

Enterprises	Variety	Quantity	
		Target (Kg)	Achievements (Kg)
Fish	IMC & Exotic carp	700	(ongoing)
Vermicompost	Eisemia fotida	300	500
Azolla (Raw)	A. caroliniena	200	200
Azolla (Compost)	-	50	50
Mushroom	Oyster mushroom	10	13.250

ii) Technology Showcasing Programme:

Crop	Variety	Location	Area (ha)	Beneficiary	Seed produced (qt)
Sali rice	Ranjit, Gitesh	Bhalukmari, Karsung, Garmaj, Itapara, Bamunbari, Naltoli	68 (510 bigha)	123	3060
Boro rice	Jaymati, Swarnav, Dinanath	Gandhibori, Karsung, Kawaimari, Tarabari	35 ha (262.5 bigha)	64	-

Toria	TS- 36	Rajagaon, Mahgar, Garmur, Chalch ali Birohigaon, Salpara, Sutirpar, Pub Sensuwa, Karsung, Hatisung, Mahadeosal, samdhara	60 ha (450 bigha)	142	540
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iii) Production of Bio-Products during 2014-15

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(kg)		General	SC/ST	Total
BIOFERTILIZERS								
1	<i>Azotobacter</i>	-		10	750			20
2	<i>Azospirillum</i>	-		10	750			
3	PSB	-		10	750			
4	<i>Rhizobium</i>	<i>Rajmah</i>		10	750			
BIO PESTICIDES								
Biopesticide	Bioveer	<i>Trichoderma viridae</i>	25	0.25	2500	23	22	45

SUMMARY of production of bio-products during 2014-15

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS							
2	BIOFERTILIZERS	<i>Azotobacter</i>		10	750			20
		<i>Azospirillum</i>		10	750			
		PSB		10	750			
		<i>Rhizobium</i>		10	750			
3	BIO PESTICIDE: Bioveer	<i>Trichoderma viridae</i>	25	25	2500	23	22	45
	TOTAL		25	65	5500	23	22	65

D. Production of livestock during 2014-15

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	Goat	Beetal	6			Rearing for breeding purpose		
2	Poultry	L.cobb		96.40	9640.00	Sold		

D1. SUMMARY of production of livestock during 2014-15

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	SHEEP & GOAT	Beetal	6	-	-	Rearing for breeding purpose		
2	POULTRY	L. cobb		96.40	9640.00	Sold		
	TOTAL		6	96.40	9640.00			

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.): Nil

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers	Endophytes: Exploitation as a tool in Plant Protection In Brazilian Archives of Biology and Technology, v.57 n.5: pp. 621-629, Sept/Oct 2014	D.Dutta, K.C. Puzari, P. Dutta, R. Gogoi	-
	JorRG 09-05:A promising ridge gourd(Luffa acutangula Roxb.) selection from North East India DRJAFS Vol 3(1), pp. 7-9 Jan, 2015	G.C. Bora*1,P. Bordoloi2, S. Gogoi3, S. Das4, R. M. Phukan5, M. Kachari6, N. C. Deka7 and S. K. Paul8	- -
	Level of commercialization of farmers in Kamrup District of Assam	J.K.Dutta, R.Baruah and S.Das	

	Indian Research J.Ext.Edu. Vol no. 15(1) Jan, 2015		
	Constraints of Potato cultivation in Assam: Farmers Experiences In <i>Indian Journal of Agricultural Sciences</i> , Vol.10 Issue 2, June, 2014. Pp. 488	C.K.Deka, S.B. Mukhopdhyay and S Kumar	-
	Impact of Farmers Field School of United Phosphorous Limited: A study in Nagaon district of Assam. In <i>Agriculture Update</i> , Vol.9 Issue 2, May, 2014. Pp. 249	C.K.Deka and P.K. Mishra	-
	Adoption of Vegetable Cultivation: A discriminate function Analysis. In <i>Agriculture Update</i> , Vol.9 Issue 2, May, 2014. Pp. 249	H.K.Kalita and C.K.Deka	-
Book/ Book Chapter	Green computing for enhancing sustainability in the ZPD, Zone-III Publication- "Essentials of Computing for KVK Professionals"	D.K.Goswami and R. Chutia	1
Popular articles	Traditional practices of storage of pulses, Dec11 2014, <i>The Dainik Janambhumi</i> Income generation through Bamboo cultivation, June 12, 2014, <i>The Dainik Janambhumi</i> Impact of cow in crop production, July 24, 2014. <i>The Dainik Janambhumi</i>	D.Dutta D.Dutta D.Dutta	3
Technical bulletins			
Extension bulletins	1.Makoirpar Prastut Karib para Bibhinna Khadya Samagrir Prastut Pranali 2 .Makoirpar Upakarita aru Utkrista Pratin jukta Makoir unnat Krishi Paddhati 3.Banakranta Anchalar babe Jarurikalin Krishi Beboatha 4.Kharang Anchalar babe Jarurikalin Krishi Beboatha	Dr.C.K. Deka, P,Nath and B. Guha Dr.C.K. Deka, M. Saikia, P,Nath and B. Guha S.Bhagabati,S.Das,P.Nath,D.Dutta ,Dr C.K Deka,Dr B.Guha S.Das,S.Bhagabati,P.Nath,D.Dutta ,Dr C.K Deka,Dr B.Guha	1000 1000 1000 1000
	3. Impact and importance of Biopesticide 4. Safety measures to be taken while spraying chemical 5. Honey bee rearing	D.Dutta, L. C. Borah, D. Pathak, B. Guha D.Dutta, S. Pathak, B. Guha D.Dutta, U.K.Deka, B.Guha	500 300 300

Leaflets/folders	1.Makoir Suji	Dr.C.K. Deka, P,Nath , B. Guha and P Deka	1000
	2. Makoir Khichiri	Dr.C.K. Deka, P,Nath , B. Guha and P Deka	1000
	3. Makoir Upma	Dr.C.K. Deka, P,Nath , B. Guha and P Deka	1000
	4.Makoir Puri	Dr.C.K. Deka, P,Nath , B. Guha and P Deka	1000
	5. Makoir Paratha	Dr.C.K. Deka, P,Nath , B. Guha and P Deka	1000
	6.Pustikar Pani Pitha	Dr.C.K. Deka, P,Nath , B. Guha D.Dutta and P Deka	1000
	7. Assam Mix	Dr.C.K. Deka, P,Nath , B. Guha D.Dutta and P Deka	1000
e-publications	Essentials of computing for KVK Professionals	D. K. Goswami & PACs of ZPD, Zone III, Barapani	1

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1	VCD	A Training Video on Food processing and value addition of Maize	60
2	VCD	Integrated Pest Management in Rice	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

1. Introduced Sali rice varieties Gitesh in Nagaon district. The Gitesh Variety of rice was purchased from RARS, Titabor and RARS, North Lakhimpur and demonstrated this variety in the farmer's field under technology showcasing programme.
2. Introduced T-perch technology in the rice field to control insect pest of rice.
3. Introduced Honey bee box in the toria field (5-6 box/ bigha) for increased pollination

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Coconut and Arecanut	A fish net is hanged in the height of 6 to 7 feet from the ground. If Squirrel tries to go up in the plants then due to the net, they cannot pass through it.	For control of Squirrel in coconut and arecanut

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
- In-service 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

- 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 (In Rupees) realized
Soil Samples	58	58	58	-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Petiole Samples	-	-	-	-
Total	58	58	58	

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

Message type	Crop		Weather		Awareness		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	52	550	65	240	61	129	178	919
Total	52	550	65	240	61	129	178	919

3.14 Contingency planning for 2015-16

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Drought	Introduction of new variety or crop 1. Introduction of New variety GITESH	10 ha	15	10	25

	Introduction of Resource Conservation Technologies 1. SRI Technique in Sali rice 2. Direct seeding of Sali rice	6 ha 5ha	8 10	4 5	12 15
Flood	Distribution of seeds and planting materials 1. Free distribution of rice seedlings after flood	5 ha	10	8	18

a. Livestock based Contingency planning: NIL

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)
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): NIL

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
Dept. of Agriculture, Nagaon	1. Involved in monitoring work of BGREI 2. Attended Zonal Workshop 3. Involved in RADP programme
ATMA, Nagaon	KVK is member of ATMA (AMC & GB) for planning, implementation, monitoring and evaluation of programmes
ATMA, Morigaon	1. Involved in preparation of SREP of ATMA, Morigaon ; 2. Acted as resource person in various training programmes of ATMA
Assam State Seed Certification Agency (ASSCA)	Certification of Seeds under Technology Showcasing
SIRD, Amoni	1. Providing Resource Persons for Capacity Building Programmes 2. Technology backstopping
Assam Seed Corporation	KVK sales seed to ASC
Nehru Yuva Kendra	KVK Deputed resource person
Village Council and Social Mission, (NGO)	Providing Resource Persons for Capacity Building Programmes
IFFCO, Nagaon	Involved in Training and other programmes
NABARD, Nagaon	Involved in Training and other programmes
AIR, Nagaon	Invited KVK person as resource person, AIR, organizes Interaction programme of farmers with Scientist of KVK.

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.)
Nutrifarm Project	Training cum demonstration on Food processing and value addition in Maize	April , 2014	Directorate of Agriculture, Govt. of Assam.	10, 50000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	ATMA, Nagaon	KVK is member of ATMA (AMC & GB) for planning, implementation, monitoring and evaluation of programmes	1. Master trainer for BTT under ATMA 2. Invited resource person from KVK for ATMA training.

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 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	
1.	Azolla unit	2011	-	<i>A. caroliniana</i>	Fresh Azolla	200 kg		1000.00	Azolla production going on
2.	Vermicompost unit	2011	-	<i>Eisemia fotida</i>	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	-			13.25 kg		1325.00	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	-			94.6		9460.00	Using for rearing of Vanaraja and Broiler chicken
10.	Goatery unit	2011	-			6			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									
Rice	10/6/2015	15/11/15	0.81	Ranjit	FS	32.96 Q	182194.00	251524.00	
	10/6/2015	18/11/15	1.15	Bahadur	FS	54.78Q			
	11/06/14	22-11-14	0.26	Gitesh	FS	9.0 Q			
Pulses									
Green gram	10-09-14	15-12-14	1.0	Shekhar-1	FS	0.51	6240.00	6120.00	Damage d due to heavy rain
Black gram	18-09-14	25-12-14	1.0	Pratap	FS	0.40	13096.00	4800.00	
Oilseeds									
Mustard	07/11/14	12/02/15	2.0	TS-38	BS	12.0 Q	49280.00	84000.00	
	12/11/14	22/02/15	0.80	TS-38	CS	4.8		28800.00	
OTHERS									
i. Dhaincha	20/04/14	21/01/15	0.13	S.accul ata	TL	1.8Q	8000.00	10800.00	
Spices & Plantation crops									
Turmeric	27/03/14	24/02/15	0.13	Megha		1.5q	5000.00	7500.00	

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	
1	Bioveer	25 kg	-	2500.00	-

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	
1.	Broiler	L.cobb	Meat	96.40 kg	-	9640.00	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

6.6. Utilization of hostel facilities (Month-Wise) during 2014-15:

At present , KVK, Nagaon has no hostel facilities as the KVK is officiating from RARS, Shillongani.

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	SBI	Jorhat	10253820770
With KVK	SBI	Nagaon	10965237291
Revolving Fund	SBI	Nagaon	30620713843

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

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31 st March, 2015
	Year (2013-14)	Year	Year (2013-14)	Year	
Inputs	1000.00		7996.00		2004.00
Extension activities	-	-	-		-
TA/DA/POL etc.	-	-	-		-
TOTAL	1000.00		7996.00		2004.00

7.3 Utilization of KVK funds during the year 2014 -15 (till date)

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	88.00	Available at Host Institute	66.03781
2	Traveling allowances	1.85	Available at Host Institute	0.84215
3	Contingencies			
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.90	Available at Host Institute	1.22968
<i>B</i>	POL, repair of vehicles, tractor and equipments			0.42862
<i>C</i>	Meals/refreshment for trainees	7.60	Available at Host Institute	
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			0.69495
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			0.53980
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			0.40851
<i>G</i>	Training of extension functionaries		Available at Host Institute	0.46855
<i>H</i>	Maintenance of buildings/Farm			2.76066
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			-
<i>J</i>	Library			-
TOTAL (A)		99.35		73.41073
B. Non-Recurring Contingencies				
1	Works/Admn Building	30.29	Available at Host Institute	-
2	Equipments including SWTL & Furniture	-		-
3	Vehicle (Four wheeler/Two wheeler, please specify)	-		-
4	Library (Purchase of assets like books & journals)	-		-
TOTAL (B)		30.29		-
C. REVOLVING FUND				
		-	-	-
GRAND TOTAL (A+B+C)		129.64		73.41073

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2012 to March 2013	1.90232	7.31070	5.04628	4.16674
April 2013 to March 2014	4.16674	4.03775	5.75830	2.44619
April 2014 to March 2015	2.44619	4.68957	3.04097	4.09479

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 : NIL
- (b) Financial : 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.

Programme Coordinator
KVK, Nagaon