

ANNUAL PROGRESS REPORT (APRIL 2015- MARCH 2016)



Compiled by:

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Edited by:

M. Mokidul Islam



KRISHI VIGYAN KENDRA, RI-BHOI

**ICAR Research Complex for NEH Region
Umroi Road, Umiam-793103, Meghalaya**



ANNUAL PROGRESS REPORT , 2015-16

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Ri Bhoi ICAR Research Complex for NEH Region, Umroi Road, Umiam-793103, Meghalaya	0364- 2570011	0364- 2570011	pckvkribhoi@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Director, ICAR Research Complex for NEH Region, Umiam – 793 103, Meghalaya	0364- 2570257, 09436349035	0364 - 2570363	www.icarneh.ernet.in director@icarneh.ernet.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Md. Mokidul Islam		9089611347	mislam01d@yahoo.co.in

1.4. Year of sanction: 2002, vide order no. 9-21/2002-AE-I dated 31st July, 2002

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Programme Coordinator	Dr. M. Mokidul Islam	Programme Coordinator	Agronomy	34,400-67,000+ 9,000	46,400	01.10.2015	Permanent	Gen
2	Subject Matter Specialist	Dr. Utpal Barua	Subject Matter Specialist (T-7-8)	Horticulture	15,600-39,100 + 6,600	29,600	04.07.2006	Permanent	Gen
3	Subject Matter Specialist	Ms. Meghna Sarma	Subject Matter Specialist (T-7-8)	Agronomy	15,600-39,100 + 6,600	29,600	04.07.2006	Permanent	Gen
4	Subject Matter Specialist	Mrs. Mousumi Gohain Das	Subject Matter Specialist (T-7-8)	Plant Protection	15,600-39,100 + 6,600	29,600	06.07.2006	Permanent	SC
5	Subject Matter Specialist	Mrs. Eliza Syiemlieh	Subject Matter Specialist (T-7-8)	Home Science	15,600-39,100 + 6,600	29,600	01.08.2006	Permanent	ST
6	Subject Matter Specialist	Dr. (Mrs.) Popiha Bordoloi	Subject Matter Specialist (T-6)	Soil Science	15,600-39,100 + 5,400	24350	01.12.2015	Permanent	Gen
7	Subject Matter Specialist	(Vacant)							
8	Programme Assistant	Mr. Banshaiphynai Khongjee	Lab. Technician T-4	Biotechnology	9,300-34,800 + 4200	13,500	20.01.2015	Permanent	ST
9	Computer Programmer	Mr. Pynshaitbor Jana	Programme Assistant T-4	Computer Science	9,300-34,800 + 4200	15,670	14.05.2010	Permanent	ST
10	Farm Manager	Mr. Albertson L. War	Farm Manager T-4	Plant Pathology	9,300-34,800 + 4200	13,500	16.01.2015	Permanent	ST
11	Accountant / Superintendent	(Vacant)							
12	Stenographer	(Vacant)							
13	Driver	Mr. K. B. Thapa	Driver	NA	5200-20200 + 2400	11,870	12.06.2006	Permanent	Gen
14	Driver	(Vacant)							
15	Supporting staff	Mr. Badal Suklabaidya	SS Gr. III	NA	5200-20200 + 2400	12,970	10.06.2010	Permanent	Gen
16	Supporting staff	Mr. Wakil Rai	SSS Gr. I	NA	5200-20200 + 1800	9,070	06.12.2006	Permanent (attached with HQs)	Gen
	Total	11+1 (attached with HQ)							

- 1.6. a. Total land with KVK (in ha) : 2.42
 b. Total cultivable land with KVK (in ha): 2.42
 c. Total cultivated land (in ha): 2.42

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	518 m ²
2.	Under Demonstration Units	Nil
3.	Under Crops (Cereals, pulses, oilseeds etc.)	1.61
4.	Under vegetables	0.81
5.	Orchard/Agro-forestry	0.58
6.	Others (specify)	Nil

- 1.7. Infrastructural Development:
 A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Dec 2009	518	48.22 lakh	Sept, 07	NA	Completed
2.	Farmers Hostel	ICAR	Dec 2009	309	38.28 lakh	Sept, 07	NA	Completed
3.	Staff Quarters (6)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4.	Demonstration Units (2)	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	Fencing	Nil	Nil	Nil	Nil	Nil	Nil	Nil

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	ML10/3106	2004	4,97,523.00	2,17,819	Needs urgent replacement
Kamco Power Tiller	NA	2005	1,73,265.00	NA	Needs replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photocopier	2010	155000.00	Purchased in exchange with previous one
Computer	2004	47970.00	Needs replacement
UPS	2004	3226.00	Good

Inkjet printer	2004	16940.00	Good
External CD writer	2004	13472.00	Needs repairing
LCD Screen	2004	10500.00	Needs replacement
Digital camera	2010	13990.00	Good
H.P. Scanner	2004	32610.00	Good
Sony digital camera	2004	60470.00	Needs replacement
Automatic slide projector	2004	21000.00	Good
Over Head projector	2004	16500.00	Good
T.V.	2004	18200.00	Good
VCD	2004	9500.00	Good
Refrigerator	2004	12200.00	Good
Generator	2005	37840.00	Needs Replacement
Weighing balance	2003	850.00	Good
Oven Inalsa	2004	5170.00	Good
Laser printer	2005	30846.00	Needs replacement
Laptop Computer	2005	68502.00	Needs replacement
LCD projector	2012	48492.00	Good
Sofa set	2005	25000.00	Needs replacement
Center table	2005	4500.00	Good
PA system	2005	42257.00	Good
Juicer	2006	2700.00	Good
Speaker	2006	15246.00	Good
Speaker	2006	2130.00	Good
Sewing machine	2006	8400.00	Good
Sewing Machine	2010	-	Received from head office
Computer	2006	50725.00	Good
UPS	2006	9500.00	Good
Fax machine	2006	7500.00	Good
Vizualizer (Digital presenter)	2006	257006.00	Good
Interactive board	2007	292762.00	Good
Pedestal fan	2006	3580.00	Good
Usha lexus heat convector	2003	1440.00	Good
USB floppy drive	2004	1650.00	Good
Inkjet printer	2004	Free	Good
Laser printer	2005	Free	Good
Lexus juicer	2003	1893.00	Good
Hand compression sprayer	2003	2252.00	Good
Groundnut decorticator	2006	1900.00	Good
Duster	2003	1191.00	Good
Laminar Air Flow	2011	46320	Working
BOD Incubator	2011	65787	working
Mridaparikshak	2016	75000	Good

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

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	27/03/15	<ol style="list-style-type: none"> 1. Dr. S. V. Ngachan, Director, ICAR RC for NEH Region, Umiam- Chairman 2. Dr. S. K. Baishya, Incharge Programme Coordinator, KVK Ri Bhoi- Member Secretary 3. Dr. C. War, District AH and Vety Officer Ri Bhoi District 4. Dr. A. K. Tripathi, Incharge ZPD Zone III 5. Dr. C. J. K. Warjri, AH and Vety Officer, Umroi 6. Mr. H. S. Kharpran, District Soil and Water Conservation Officer, Nongpoh, Meghalaya 7. Shri. F. Syiemiong, ASWCO, Nongpoh, Meghalaya 8. Mr. C. Goswami, Scientist, NESAC, Nongsder, Meghalaya 9. Mr. P. Suting, Fishery Officer, Nongpoh 10. Mr. G. Shylla, Nongpoh, Meghalaya 11. Mr. S. K. Budhna, District Fishery Officer, Nongpoh 12. Mr. K. B. Lakiang, ADH, Nongpoh 13. Mr. S. Mawlong, PO (Forest Department), Nongsder 14. Mr. F. M. Kharsyntiew, PD ATMA, Nongpoh 15. Dr. A. K. Mishra, PS and Head, NBPGR 16. Dr. A. K. Jha, Senior Scientist, Division of Horticulture, ICAR RC for NEH Region 17. Dr. S. Chandra, Head, Plant Protection, ICAR RC for NEH Region 18. Dr. S. K. Dabbas, PS and Head, Animal Health, ICAR Rc for NEH Region 19. Dr. A. Das, Senior Scientist, Agronomy, ICAR 	<ol style="list-style-type: none"> 1. Technology Demonstration on Maize, Soybean, Mustard, and Groundnut should be taken up in KVK adopted village 2. Demonstration on fodder grass and trees and value addition of fodder by means of silage preparation should be demonstrated and trainings should be conducted 3. New variety of crops like pea, Maize etc. should be used in technology demonstration according to its suitability in the district 4. Trainings on value addition of chow chow should be conducted 5. High yielding variety of rice followed by pea cropping system should be demonstrated. New variety of pea like Prakash can be demonstrated instead of Azad variety. 6. Animal Health Camp should be organized by the KVK. 	<ol style="list-style-type: none"> 1. Maize-RCM-75, RCM-76, Soybean JS-335 Mustard TS-46 and PM-25, ICGS-76 were distributed and demonstration were conducted in different adopted villages of R Bhoi District 2. Under NIFTD programme, a total of 1.5 ha (15 farmers) demonstration of fodder crops was conducted on NB Hybrid, Parasignal and Congosignal. 3. Demonstration on Pea (var. Prakash), Lentil (HUL-57) and Blackgram (var. Kalindi) were conducted under NFSM programme in 5 cluster villages 4. Training programme was conducted on 20-01-2016 at Bhoirymbong where 15 Rural Youth participated 5. Demonstration on Paddy (var. Shahsarang) followed by Pea (var. Prakash) in raised and sunken bed was conducted on 10 ha area with 25 farmers 6. Animal Health Camp was conducted on 14-07-2015

	<p>RC for NEH Region</p> <p>20. Dr. A. S. Panwar, PS, Crop Production, ICAR RC for NEH Region</p> <p>21. Dr. D. J. Rajkhowa, PS, NRM, ICAR RC for NEH Region</p> <p>22. Dr. J. P. Tyagi, Incharge, Plant Breeding, ICAR RC for NEH Region</p> <p>23. Dr. S. K. Das, PS, Fisheries Division, ICAR RC for NEH Region</p> <p>24. Mrs. V. Maring, Farmer, Kyrdem village</p> <p>25. Mrs. B. Lymphuid, Farmer, Kyrdem village</p> <p>26. Mr. C. Shadap, Farmer, Kyrdem village</p> <p>27. Mr. P. Phankon, Farmer, Nongpoh</p> <p>28. Mrs. Mousumi G. Das, SMS, Plant Protection, KVK Ri Bhoi</p> <p>29. Ms. M. Sarma, SMS, Agronomy, KVK Ri Bhoi</p> <p>30. Mrs. E. C. Syiemlieh, SMS, Home Science, KVK Ri Bhoi</p> <p>31. Mr. Swaroop Sharma, SMS, Social Science, KVK Ri Bhoi</p> <p>32. Mr. Pynshaitbor Jana, Programme Assistant, KVK Ri Bhoi</p> <p>33. Mr. B. P. Khnogjee, Lab Assistant, KVK Ri Bhoi</p> <p>34. Mr. A. L. War, Farm Manager, KVK Ri Bhoi</p> <p>35. Ms. G. Nongtdu, SRF(NICRA), KVK Ri Bhoi</p> <p>36. Ms. S. Rai, SRF (NICRA), KVK Ri Bhoi</p>	<p>7.KVK should have more collaborative programmes with other divisions of the institute on dissemination of quality seed to the farmers.</p>	<p>7.With Plant Breeding Division, a programme on Mustard seed production of TS-46 has been conducted</p> <p>With Agronomy Division, seed production on Pea var. Prakash was also conducted. Moreover, with Agril. Extension, a seed production programme on lentil var. HUL-57 was done</p>
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*** Attach a copy of SAC proceedings along with list of participants**

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1	Agri + Horti+ AH+ Fishery
2	Agri+ Horti+ AH
3	Agri+ Horti
4	Agri + Seri + Horti + AH
5	Agri + Horti + AH + Seri
	Enterprises: 1. Agri – Paddy, Maize 2. Horti – Tomato, Ginger, Turmeric, Cabbage, cauliflower, chilies, pineapple, strawberry 3. AH & Vety – Poultry, Pig, Goat, Dairy 4. Fishery – Polyculture 5. Seri – Mulberry silk worm

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

Sl. No	Agro-climatic Zone	Characteristics
1	Subtropical hill zone	400-1200 m MSL, Temperature: 30°C-12°C, All area of Ri - Bhoi district except southern part
2	Mild/ tropical hill zone	200 - 800 m MSL, Temperature: 32 - 12°C, Southern part of district

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Dark reddish brown	The soils are derived from Gneissic complex parent materials: they are dark reddish brown in colour varying in depth from 20-200 cm. The texture of soils varies from loamy to fine loamy	NA

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Khasi mandarin	245	963	39.31
2.	Assam lemon	47	343	72.98
3.	Pummelo	52	515	99.04
4.	Pineapple	3686	41611	112.89
5.	Banana	903	15569	172.41
6.	Papaya	176	1338	76.02
7.	Potato	29	175	60.34
8.	Sweet potato	155	933	60.19
9.	Tapioca	57	344	60.35
10.	Ginger	991	10047	101.38
11.	Turmeric	133	944	70.98
12.	Chillies	100	163	16.30
13.	Black pepper	153	118	7.71
14.	Arecanut	157	99	6.31
15.	Tea	1265	1139	9.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
Apr-15	138.35	30.6	12.6	100	29
May-15	181.1	31	13.5	100	38
Jun-15	100.4	31.2	19.1	100	42
Jul-15	441.5	33.9	19.1	97	42
Aug-15	262.75	32.7	19.7	97	50
Sep-15	279.65	31.9	18.2	100	47
Oct-15	140.6	29.3	12.4	100	35
Nov-15	6	29.3	11.5	100	28
Dec-15	0	23.4	15.3	100	43
Jan-16	7.5	23	7.9	100	40
Feb-16	12.5	24.6	10	100	41
Mar-16	5.6	25.6	12	100	53

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	13188	20,418 tonnes milk	7.608 kg/milch cow
<i>Indigenous</i>	69933	2,973 tonnes milk	0.438 kg/milch cow
Buffalo	3268	470 tonnes milk	0.972 kg. /milch cow
Sheep			
<i>Crossbred</i>	-	70 tonnes meat (sheep +goat)	8.88 kg body weight/animal/year
<i>Indigenous</i>	116		NA
Goats	13,835	70 tonnes meat (sheep +goat)	8.88 kg body weight/animal/year
Pigs			NA
<i>Crossbred</i>	4,044	762 tonnes meat	42.45 kg. Body weight/animal/year
<i>Indigenous</i>	38,426		NA
Rabbits	744	NA	NA
Poultry			
Hens		264 tonnes meat per year	1.05 kg body weight per bird per year
<i>Desi</i>	3,12,519	87.51 lakhs eggs per year	108 nos. of eggs/bird/year
<i>Improved</i>	27,422	33.63 lakhs eggs per year	223 nos of eggs/bird/year
Ducks	4, 510	2.27 lakhs eggs per year	155 of eggs/bird/year
Turkey and others	NA	NA	NA
Fisheries			
Category	Area	Production	Productivity
Fish	1486.24 ha	950 kg/ha/year	NA
<i>Marine</i>	NA	NA	NA
<i>Inland</i>	NA	NA	NA
Prawn	NA	NA	NA
Scampi	NA	NA	NA
Shrimp	NA	NA	NA

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2015-16)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1.	Ri Bhoi	Umsning	Saiden	Mustard Blackgram Pea	<ul style="list-style-type: none"> Lack of knowledge on intercropping and crop diversification 	<ul style="list-style-type: none"> Crop diversification and intercropping Imparting knowledge and skills on scientific cultivation package
2.	Ri Bhoi	Umsning	Umeit	Groundnut, Soybean, Mustard	<ul style="list-style-type: none"> Lack of knowledge to go for scientific cultivation 	<ul style="list-style-type: none"> Popularization of HYV of oilseeds Crop Diversification
3.	Ri Bhoi	Umsning	Sarikuchi	Paddy Maize	<ul style="list-style-type: none"> Lack of knowledge on high yielding varieties of cereals 	<ul style="list-style-type: none"> Imparting knowledge and skills on scientific cultivation practices
4.	Ri Bhoi	Umsning	Nongthymmai	Processing of fruits and vegetables Kitchen garden Drudgery reduction	<ul style="list-style-type: none"> Lack of knowledge on processing of fruits and vegetables Lack of knowledge on storage Lack of knowledge on kitchen gardening Lack of knowledge on drudgery reduction techniques 	<ul style="list-style-type: none"> Kitchen garden Imparting training on fruits and vegetables processing Imparting training on drudgery reduction
5.	Ri Bhoi	Umsning	Nonglakhiat	Processing of fruits and vegetables	<ul style="list-style-type: none"> Lack of knowledge on processing of fruits and vegetables 	<ul style="list-style-type: none"> Imparting training on fruits and vegetables processing

6.	Ri Bhoi	Umsning	Kyrdem	Paddy, Maize, Groundnut, Ginger, cabbage, cauliflower, beans, tomato, etc. Processing of fruits and vegetables, Storage of fruits and vegetables, Kitchen garden, Drudgery reduction, Processing of fruits and vegetables, Storage of fruits and vegetables, Kitchen garden, Drudgery reduction	<ul style="list-style-type: none"> • Lack of knowledge on high yielding varieties • Lack of knowledge to go for scientific cultivation of soybean and Blackgram • Unawareness of package of practices of crops • Unawareness of adverse climate adaptive technologies • Lack of knowledge on processing of fruits and vegetables • Lack of knowledge on storage • Lack of knowledge on kitchen gardening • Lack of knowledge on drudgery reduction techniques • Lack of knowledge on processing of fruits and vegetables • Lack of knowledge on storage • Lack of knowledge on kitchen gardening • Lack of knowledge on drudgery reduction 	<ul style="list-style-type: none"> • Popularizing HYV variety of paddy, maize, groundnut. • To impart skills on improved production technology • Use of technologies adaptive to adverse climate • Zero energy cool chamber • Kitchen garden • Imparting training on fruits and vegetables processing • Imparting training on drudgery reduction • Zero energy cool chamber • Kitchen garden • Imparting training on fruits and vegetables processing • Imparting training on drudgery reduction
7.	Ri Bhoi	Umsning	Cluster (Mawbri, Khweng, Thadnangiaiw , Kodongulu , Liarkhla)	Pea, Lentil, Blackgram, Ginger, Turmeric, Tomato	<ul style="list-style-type: none"> • Popularizing HYV variety of Pulses • Lack of knowledge on HYV's and complete package of practices 	<ul style="list-style-type: none"> • Imparting knowledge and skills on scientific cultivation practices • Popularizing HYV's supported with scientific packages
8.	Ri Bhoi	Umsning	Pahamrinai, Pahamsyiem	Pea, Lentil,	<ul style="list-style-type: none"> • Lack of awareness to go for scientific cultivation of, Pea and Lentil • Lack of knowledge on high yielding varieties 	<ul style="list-style-type: none"> • Production technology of Rabi pulses • Crop Diversification

9.	Ri Bhoi	Umsning	Liarkhla	Processing of fruits and vegetables Energy saving techniques	<ul style="list-style-type: none"> • Lack of knowledge on processing of fruits and vegetables • Lack of knowledge on Energy saving techniques 	<ul style="list-style-type: none"> • Imparting training on fruits and vegetables processing • Beehive briquettes
10.	Ri Bhoi	Umsning	Umroi Madan	Ginger, cabbage, cauliflower, beans, broccoli, carrot	<ul style="list-style-type: none"> • Lack of knowledge on HYV's and complete package of practices 	<ul style="list-style-type: none"> • Popularizing HYV's supported with scientific packages
11.	Ri Bhoi	Umsning	Umden Mission	Ginger, Turmeric, cucumber	<ul style="list-style-type: none"> • Lack of knowledge on HYV's and complete package of practices 	<ul style="list-style-type: none"> • Popularizing HYV's supported with scientific packages

3. TECHNICAL ACHIEVEMENTS

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

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	2	2	60	50	7	9	190	257
Horticulture	0	0	0	0	0*	4	0	146
Soil Science	0	0	0	0	0**	1	1	1
Plant Protection	2	2	10	10	3	3	15	15
Home Science	2	1	12	10	2	2	5	5
Total	6	5	82	70	12	19	210	424

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

*: Target was not fixed in the last action plan, as the concerned SMS was on study leave

**: Target was not fixed in the last action plan, as the concerned SMS joined the KVK only in Dec 2015

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	54	60	937	1187	478	1114	1950	4470
Rural youth	15	14	336	255				
Extn. Functionaries	5	0	75	0				
Total	73	74	1348	1442	478	1114	1950	4470
Seed Production (ton.)					Planting material (Nos. in lakh)			
5					6			
Target		Achievement			Target		Achievement	
CEREALS :0.1		0.116			Spices: 1.2 t		0.668 t	
OILSEEDS:0.15		0.09			Vegetables:14000 nos		4250 nos	
PULSES: 0.01		0.05			Others: 0.05 t		0.248	

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

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

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Cropping system	Maize and French Bean	Monocropping	Maize followed by French bean	-	Maize based Cropping System	NA	Training, Method demons, Field day	Seeds, Fertilizers and plant protection chemicals
2	Tillage Management	Pea		Zero Tillage in Pea	-	Zero Tillage Management	NA	Training, Method demons, Field day	Seeds, Fertilizers and plant protection chemicals
3	Introduction and popularization of HYVs of Cereals, Pulses and Oilseeds	Groundnut (ICGS-76)	Non availability of HYV of seed	-	Production technology of Kharif Oilseeds	Scientific production technology of growing HYV of groundnut	NA	Training, Method demons, Field day	Seeds, Fertilizers and plant protection chemicals
4	-do-	Mustard (TS-46)	Low yield due to use of local cultivars and Lack of knowledge on crop diversification	-	Production technology of Rabi oilseeds	Package and practices for growing HYV of Mustard	NA	Training, Method demons.	Seeds, Fertilizers and plant protection chemicals
5	-do-	Soybean (var. JS-335)	Non availability of HYV of seed	-	Production technology of Kharif Oilseeds	Scientific production technology of growing HYV of soybean	NA	Training, Method demons	Seeds, Fertilizers and plant protection chemicals

6	-do-	Blackgram (var. KV-301)	Lack of knowledge on crop diversification	-	Production technology of Kharif pulse	Scientific production technology of Blackgram	NA	Training, Method demons.	Seeds, Fertilizers and plant protection chemicals
7	-do-	Pea (var. Azad)	Improper cultivation practices and non availability of HYV of seed	-	Production technology of Rabi pulses	Package and practices for growing HYV of Pea	NA	Training, Method demons, Field day.	Seeds, Fertilizers and plant protection chemicals
8	-do-	Maize (Var.RCM-1-3)	Non availability of HYV of seed	-	Scientific cultivation techniques for growing maize	Scientific cultivation techniques for growing maize		Training, Method demons, field day	Seeds, Fertilizers and plant protection chemicals
9	-do-	Paddy (Var.Shahsarang & RCM-10)	Low productivity with the local cultivars and also improper practices followed	-	Scientific package and practices of growing HYV of Paddy (Shahsarang)	Scientific package and practices of growing HYV of Paddy (Shahsarang)		Training, Method demons, field day	Seeds, Fertilizers and plant protection chemicals

10	Adverse climate adaptive technologies	Protected cultivation of vegetables	Climate Change affecting crop quality and yield	-	Production of off season vegetables under low cost polyhouse	<ol style="list-style-type: none"> 1. Site selection, land preparation and construction of low cost polyhouse for vegetable cultivation 2. Nursery raising and vegetable cultivation under low cost polyhouse 3. Production of quality vegetable seedlings under low cost polyhouse 4. Production of off season vegetables under low cost polyhouse 5. Protected cultivation of vegetables 	-	Training, method demonstration, exposure visit, extension literature distribution, etc	UV film, shade net, seeds, fertilizer, FYM, PP materials, etc.
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11	Introduction of HYV's	Tomato, cucumber, cabbage, cauliflower, broccoli, etc	Unawareness of HYV's and their package of practices	-	Promotion of hybrid tomato var. Rocky	<ol style="list-style-type: none"> 1. Production technology of cole crops and winter flowers 2. Nursery raising of tomato 3. Cultivation practices of cucumber 4. Cultivation of winter vegetables for higher returns 	-	Training, method demonstration, exposure visit, extension literature distribution, etc	Seeds, fertilizer, FYM, PP materials, etc.
12	Introduction of HYV's	Ginger and Turmeric	Unawareness of HYV's and their package of practices	-	<ol style="list-style-type: none"> 1. Scientific management practices of ginger var. Nadia 2. Popularization of turmeric var. Megha Turmeric-1 	<ol style="list-style-type: none"> 1. Methods of site selection, land preparation and sowing of ginger var. Nadia 2. Seed selection, land preparation and sowing of turmeric var. Megha Turmeric-1 	-	Training, method demonstration, exposure visit, extension literature distribution, etc	Seeds, fertilizer, FYM, PP materials, etc.

13	Energy Saving devices	Briquette	Use of firewood and charcoal for cooking	Beehive briquette an eco friendly alternative source of energy in rural areas.	-	Briquettes making techniques	-	-	Briquettes moulds
14	Drudgery reduction	Maize sheller	Shelling of maize with hands causing high drudgery	-	Drudgery reduction through use of mounted maize sheller	Use of mounted maize Sheller	-	-	Mounted maize sheller
15	Storage	Cool chamber	Post harvest losses of fruits and vegetable due to lack of proper storage techniques	-	Zero energy cool chamber for rural families	Importance of Zero energy cool chamber for rural families			Bricks,tank ,pipes etc
16	IPM	Cabbage	Low yield due to attack of cabbage butterfly	Bio intensive management of Cabbage butterflies.	-		-	Training, Method demons	BT, Trichogramma, Hypositors, Neem extract, Seeds, etc

17	IPM	Peach	Low yield due to attack of fruit fly	Management of Fruit fly in peach using plastic bottle based Methyl Eugenol trap(RC fruit fly trap 1)	-	Management of fruit fly in peach through the use of plastic bottle based Methyl Eugenol traps	-	Training, Method demons	Methyl Eugenol trap(RC fruit fly trap 1), etc
18	IPM	Guava	Low yield due to attack of fruit fly	-	Mass trapping of fruit fly in Guava using ME bottle trap(RC fruit fly trap 1)	Management of fruit fly in guava through the use of plastic bottle based Methyl Eugenol traps	-	Training, method demons	Methyl Eugenol traps
19	IDM	Tomato	Low yield due to diseases	-	Biological control of Bacterial wilt of Tomato		-	Training, Method demons	Tomato seeds, Biopesticides, etc
20	Mushroom Cultivation	Oyster Mushroom	Lack of knowledge on scientific cultivation of mushroom	-	Package and practices for cultivation of oyster mushroom	Package of practices for cultivating oyster mushroom		Training, Method demons	Mushroom spawn, polybags

3.1 Achievements on technologies assessed and refined during

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	0	0	0	0	0	0	0	0	0	0
Seed / Plant production	0	0	0	0	0	0	0	0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Integrated Farming System	1	0	0	0	0	0	0	0	0	1
Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
Drudgery reduction	0	0	0	0	0	0	0	0	0	0
Farm machineries	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	1	1	0	0	0	2
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Resource conservation technology	0	0	1	0	0	0	0	0	0	1
Small Scale income generating enterprises	0	0	0	0	0	0	0	0	0	0
TOTAL	1	0	1	0	1	1	0	0	0	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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	0	0	0	0	0	0	0	0	0	0
Seed / Plant production	0	0	0	0	0	0	0	0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0
Integrated Farming System	0	0	0	0	0	0	0	0	0	0
Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
Drudgery reduction	0	0	0	0	0	0	0	0	0	0
Farm machineries	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	1	0	0	0	0	1
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Resource conservation technology	0	0	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	1		0	0	0	1

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	0	0	0	0	0	0	0	0
Disease of Management	0	0	0	0	0	0	0	0
Value Addition	0	0	0	0	0	0	0	0
Production and Management	0	0	0	0	0	0	0	0
Feed and Fodder	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	0	0	0	0	0	0	0	0
Nutrition Management	0	0	0	0	0	0	0	0
Disease of Management	0	0	0	0	0	0	0	0
Value Addition	0	0	0	0	0	0	0	0
Production and Management	0	0	0	0	0	0	0	0
Feed and Fodder	0	0	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0

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	Maize followed by French bean	Monocropping	Maize/French bean cropping system	Maize French bean	10	Maize yield- 32.8q/ha French bean- (seed yield)- 8.5 q/ha MEY: 58 .5 q/ha	Very much satisfied with the performance of the technology	Well adopted by the farmers	2.0
2	Zero Tillage in Pea	Monocropping	Zero tillage management in rice fallow	Pea	10	Plant height(cm)-65-80 cm Branches/plant-12-18 Pods/plant-15-25 Pea-Seed yield -12.5 q/ha	Since it is the first time they are hesitant about the technology	If paddy transplanting can be done early or use of suitable short duration variety the sowing time of the 2 nd crop will be adjusted.	2.01
3	Management of Fruit fly in peach using plastic bottle based Methyl Eugenol trap(RC fruit fly trap 1)	Low yield due to attack of fruit fly	Methyl Eugenol +Malathion + plastic bottles as low cost trap	Peach	5	Status: Crop is in yet to be harvested	Nil	Nil	Nil
4	Bio intensive management of Cabbage	Low yield due to attack of cabbage butterfly	Combination BT + Trichogramma + Hypositors +	Cabbage	5	Pest Incidence: 2-3% Yield: 286 q/ha	Nil	Nil	2.4

	butterflies.		Neem extract						
5	Beehive briquette an eco friendly alternative source of energy in rural areas.	Use of firewood and charcoal for cooking and lack of knowledge on income generating activities	1	Beehive briquette	1	No of briquettes prepared: 900nos (3 months) No of briquettes use in household: 300nos No of briquettes for sold:600nos @ 15 eachX600nos=9000 Beehive briquettes of the size of diameter of 145 mm height of 85mm 21 holes of 12mm diameter produces smokeless blue flame and burns for 2.5 to 3.5 hrs .	Farmwomen are fully satisfied with this technology	Highly beneficial as a source of saving energy and as well as income generating activities.	3

**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

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

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

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
1	Paddy	Improved cultivation technology with HYVs	5	180	7.0
2	Maize	Scientific cultivation techniques for growing HYV of maize(RCM-1-3)	8	100	5.0
3	Groundnut	Production technology of Kharif oilseeds(ICGS-76)	4	55	4.0
4	Soybean	Production technology of Kharif oilseeds(JS-335)	4	80	3.5
5	Blackgram	Package and practices for growing HYV of Blackgram(T-9)	4	55	3.0
6	Pea	Package and practices for growing HYV of Pea(Azad)	8	200	6.0
7	Mustard	Package and practices for growing HYV of Mustard(TS-38)	3	35	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/ST	Others	Total			N	P	K
1.	Groundnut (ICGS-76)	Crop Production Technology	Production technology of Kharif Oilseeds	Kharif 2015	3	2	40		40		Rainfed Sandy loam	100	27	240
2.	Soybean (var. JS-335)	Crop production Technology	Production technology of Kharif Oilseeds	Kharif 2015	2	2	32		32		Rainfed Sandy loam	188	23	382
3	Blackgram (var. T-9)	Resource Conservation Technology	Production technology of Kharif pulse	Kharif 2015	2	2	15		15		Rainfed Sandy loam	200	26	145
4	Pea (var. Azad)	Varietal Evaluation	Production technology of Rabi pulses	Rabi 2015	2	3	57		57		Rainfed Sandy loam	213	27	153
5	Mustard (TS-38)	Varietal Evaluation	Production technology of Rabi oilseeds	Rabi 2015	-	5	28		28		Rainfed Sandy loam	157	30	329
6	Paddy (Shahsarang)	Water Management	Scientific package and practices of growing HYV of Paddy	Kharif 2015	5	7	40		40		Rainfed Sandy loam	175	35	300

7	Maize (RCM-1-3)	Varietal Evaluation	Scientific cultivation techniques for growing maize	Kharif 2015	4	4	45		45		Rainfed Sandy loam	112	30	300
8	Vegetables under low cost polyhouse	Resource conservation technology	Production of off season vegetables under low cost polyhouse	October 2015 – March 2016	0	700 m2	70	-	70	-	Irrigated, sandy loam, 800 m amsl	385.66	14.2	134.28
9	Tomato	Varietal Evaluation	Promotion of hybrid tomato var. Rocky	Rabi, 2015	-	0.04	20	-	20	-	Irrigated, sandy loam, 760 m amsl	346.55	14.25	172.47
10	Ginger	Varietal Evaluation	Scientific management practices of ginger var. Nadia	Kharif 2016	-	0.92	23	-	23	-	Rainfed, sandy loam, 750 m amsl	312.56	12.59	158.79
11	Turmeric	Varietal Evaluation	Popularization of turmeric var. Megha Turmeric-1	Kharif 2016	-	0.64	13	-	13	-	Rainfed, sandy loam, 750 m amsl	323.44	11.12	154.05
12	Tomato	Soil Health	Integrated nutrient management in Tomato	Jan., 16 to March, 16,							Rainfed			
13	Guava	Integrated Pest management	Mass trapping of fruit fly in Guava using ME bottle trap(RC fruit fly trap 1)	Kharif 2015	1.5	1.0	5		5		Rainfed			
14	Tomato	Integrated Disease management	Biological control of Bacterial wilt of Tomato	Rabi 2015	1.5	1.0	5		5		Rainfed			

c. Performance of FLD on Crops

*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.

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
							Demo	Local										
1	Groundnut (ICGS-76)	Crop Production Technology	3.0	22.5	17.3	30.05	24.4	17.6	No. of pods/plants: 22. 100 pod weight: 194 g Grain yield: 22.5 q/ha	No. of pods/plants: 15 100 pod weight: 101 g Grain yield: 17.3 q/ha	28500	48700	20200	1.8	9700	15500	5800	1.5
2	Soybean (var. JS-335)	Crop production Technology	2.0	16.4	11.2	46.42	18.5	11.0	No. of pods/plant: 30 Seed yield: 16.4 q/ha	No. of pods/plant: 10 Seed yield: 11.2 q/ha	24150	50575	26425	2.0	9900	16000	6100	1.5
3	Blackgram (var. KV-301)	Resource Conservation Technology	2.0	7.3	---	---	9.4	5.2	Seed yield: 7.3 q/ha	---	18720	34125	15405	1.8	---	---	---	---

4	Pea (var. Azad)	Varietal Evaluatio n	2.0	10.8	7.3	47.94	13.3	7.3	No. of pods/pla nt: 24 Seed yield: 10.8 q/ha	No. of pods/pla nt: 12 Seed yield: 7.3 q/ha	37350	6349j5	26145	1.8	8000	11600	6600	1.3
5	Mustard (TS-38)	Varietal Evaluatio n	5.0	5.3	4.0	32.5	9.3	4.0	Plant ht: 128 cm No. of siliqua/p lant: 58 No. of seeds/si liqua: 16 Seed yield: 5.3 q/ha	Plant ht: 90.5 cm No. of siliqua/p lant: 38 No. of seeds/si liqua: 10 Seed yield: 4.0 q/ha	25800	48000	22200	1.9	-	-	-	-
6	Paddy (Shahsara ng)	Water Manage ment	5.0	38.1	27.3	39.56	44.8	30.6	Plant ht: 89.7 cm No. of effective tillers/m 2: 265 Panicle length: 23.4 cm 100 seed wt: 25.8 g No. of grains/p anicle: 168 Grain yld: 38.1 q/ha	Plant ht: 100.8 cm No. of effective tillers/m 2: 198 100 seed wt: 20.2 g No. of grains/p anicle: 16 Grain yld: 27.3 q/ha	38500	73150	34650	1.9	13250	22000	8750	1.6
7	Maize (RCM-1-3)	Varietal Evaluatio n	2.0	36.5	28.2	29.43	42.8	30.0	Pl. ht: 1.9 m No. of	Pl. ht: 1.0 m No. of	30200	53800	23600	1.9	8000	12200	4200	1.5

									cobs/plant: 2-3 Cob length: 19.6 cm No. of grains/cob: 623 Grain yield: 36.5 q/ha	cobs/plant: 1-2 Cob length: 15.9 cm No. of grains/cob: 453 Grain yield: 28.2 q/ha								
8	Vegetables under low cost polyhouse	Resource conservation technology	700 m ²	Cabbage 250, Cauliflower 210, Broccoli 280, Cucumber 153	-	-	Cabbage 310, Cauliflower 246, Broccoli 345, cucumber (185)	Cabbage 220, Cauliflower 180, Broccoli 226, cucumber (120)	-	-	23500	30000	6500	1.27	-	-	-	-
9	Tomato	Varietal evaluation	0.04	Result awaited -	-	-	-	-	-	-	45000	-	-	-	26000	-	-	-
10	Ginger	Varietal evaluation	0.92	Result awaited	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Turmeric	Varietal evaluation	0.64	Result awaited	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Tomato	Soil Health	Integrated nutrient management in	Result awaited														

			Tomato															
13	Guava	Integrated pest management	1.0	14	9	55.5	16.4	11.6	1.Insect incidence-5-7% 2.Trapping intensity :Avg 90 fruit fly/trap	1.Insect incidence: 30-40%	1800	4200	2400	2.3	1400	2700	1300	1.92
14	Tomato	Integrated disease management	1.0	Result awaited	-	-	-	-	-	-	-	-	-	-	-	-	-	-

d. Extension and Training activities under FLD on Crops

SI.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	Pea under NFSM,Pulses Pea under FLD,Rabi Crop Diversification SRI On Paddy Groundnut Pulse day,2016	8.3.16 27.2.16 16.3.16 31.10.15 1.12.15 17.3.16		40 30 20 20 20 30	40 30 20 20 20 30	
2	Farmers Training	12	Apr 15 to Mar 16		235	235	
3	Media coverage	4	Apr 15 to Mar 16				
4	Training for extension functionaries	0	--				
5	Any other (Pl. specify)						
	Total	22			395	395	

e. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
0	0	0	0	0	0	0	0	0

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC*	GR*	NR*	BCR*	GC	GR	NR	BCR	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio, Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC, **Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.**

(iii) Fisheries

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

	fish etc.						o	Chec k				*	*	*	*				R	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Chec k		Demo	Check	GC	GR	NR	BCR	GC	GR	NR	BCR	
1.	Mushroom production	Other Beneficial Organisms	Package of practices for cultivation of oyster mushroom	4		180 kg/unit			Size of mushroom: l=10 cm B=12cm Wt of mushroom: 55gm	-	12,500	36,000	23,500	2.9	-	-	-	-	

2	Maize	Drudgery reduction	Drudgery reduction through use of mounted maize sheller	4		1.Capacity/hr:1.5-2kgs/hr 2.hand injury reduced to 90% compared to local method		100											
	Vegetables and fruits	Storage of fruits and vegetables	Zero energy cool chamber for rural families	1		Temperature inside chamber:10-20 C (Sept to Jan)	Temperature outside chamber: 24-26 C (Sept to Jan)		Shelf life of vegetables inside chamber (days) Pineapple: 10 Lemons: 10-12 Guava: 6	Shelf life of vegetables outside chamber (days) Pineapple: 5 Lemons: 5 Guava: 2									

									Plum: 6 Betel leaf: 10 Tomato: 6-7 Green leafy veg's: 4-5 Brinjal: 4-5 Beans and peas: 5-6 Bitter gourd: 5	Plum: 2 Betel leaf: 3 Tomato: 2 Green leafy vegs: 1 Brinjal: 2 Beans and peas: 2 bitter gourd: 2-3								
3	Vermicompost	Soil Health	Low cost vermicompost Production	25	4	Result awaited												

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

(v) Farm Implements and Machinery

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

f. Performance of FLD on Crop Hybrids

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

*H-Highest recorded yield, L- Lowest recorded yield; ** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

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

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)	Spon 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)		
I. Crop Production																							
Weed Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture																							
a) Vegetable Crops																							
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	0	1	0	0	0	0	0	0	0	0	27	0	27	0	0	0	27	0	27	0	27	
b) Fruits																							
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants																							

Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops																							
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops																							
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices																							
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

addition																							
g) Medicinal and Aromatic Plants																							
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management																							
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV Livestock Production and Management																							
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment																							
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	2	0	2	0	0	0	0	0	0	0	0	22	0	0	22	0	0	22	0	22	0	22
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI Agril. Engineering																						
Installation and maintenance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

of micro irrigation systems																							
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VII Plant Protection																							
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

agents and bio pesticides																							
VIII Fisheries																							
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

processing and value addition																							
IX Production of Inputs at site																							
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X Capacity Building and Group Dynamics																						
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry																						
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL																						

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

Thematic area	No. of Courses/ prg.			Participants																	Grand Total		
	Off	Sp Off*	Total	General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off		Sp Off*	Off

									*													
I. Crop Production																						
Weed Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	5	0	0	0	0	0	0	0	0	41	0	96	0	137	0	41	0	96	0	137	0	137
Cropping Systems	1	0	0	0	0	0	0	0	0	0	0	31	0	31	0	0	0	31	0	31	0	31
Crop Diversification	4	0	0	0	0	0	0	0	0	21	0	51	0	72	0	21	0	51	0	72	0	72
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	7	0	0	0	0	0	0	0	0	45	0	116	0	161	0	45	0	116	0	161	0	161
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	0	0	0	0	0	0	0	0	3	0	5	0	8	0	3	0	5	0	8	0	8
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

crops																							
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	3	0	3	0	0	0	0	0	0	15	0	36	0	51	0	15	0	36	0	51	0	51	
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	2	0	2	0	0	0	0	0	0	14	0	51	0	65	0	14	0	51	0	65	0	65	
b) Fruits																							
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants																						
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops																						
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops																						
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

addition																							
f) Spices																							
Production and Management technology	2	0	2	0	0	0	0	0	0	0	0	0	46	0	46	0	0	0	46	0	46	0	46
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants																							
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management																							
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Problematic soils																							
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV Livestock Production and Management																							
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment																							
Household food security by kitchen	3	0	3	0	0	0	0	0	0	3	0	34	0	37	0	3	0	34	0	37	0	37	37

gardening and nutrition gardening																							
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	2	0	2	0	0	0	0	0	0	1	0	24	0	25	0	1	0	24	0	25	0	25	25
Value addition	11	0	12	0	0	0	0	0	0	18	0	164	0	182	0	18	0	164	0	182	0	182	182
Income generation activities for empowerment of rural Women	1	0	1	0	0	0	0	0	0	5	0	18	0	23	0	5	0	18	0	23	0	23	23
Location specific drudgery reduction	3	0	3	0	0	0	0	0	0	2	0	31	0	33	0	2	0	31	0	33	0	33	33

technologies																						
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VII Plant Protection																						
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Management																							
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII Fisheries																							
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

of fish and prawn																							
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site																							
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

and implements																							
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics																							
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry																							
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL																						
(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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Farming																							
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermiculture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	1	2	0	0	0	0	0	6	6	0	9	6	15	6	6	0	9	6	15	21		
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	2	3	0	0	0	0	0	6	12	0	18	6	30	6	12	0	18	0	36	36		
Training and pruning of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

orchards																						
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL																						
3.3.4. Achievements on Training of <u>Rural Youth</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		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Mushroom Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	4	0	0	0	0	0	0	0	0	68	0	0	0	0	0	68	0	0	0	68	0	68
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

production																						
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Value	1	0	1	0	0	0	0	0	0	0	0	15	0	15	0	0	0	15	0	15	0	15

addition																						
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL																						
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		
	On (1)	Sp On* (2)	Total (1+2)	General						SC/ST						Total					(x + y)		
				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)	
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

cultivation technology																							
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

animals																						
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.3.6. Achievements on Training of Extension Personnel 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
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	Off	Sp Off*	Total	General						SC/ST						Total						Total
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Of f	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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
Horticulture	Nursery management	Nursery raising and vegetable production under low cost polyhouse	06/10/15	1	KVK Ri Bhoi	RY	0	0	0	6	9	15	6	9	15
Horticulture	Vegetable production	Production technology of cole crops and winter vegetable	07/10/15	1	KVK Ri Bhoi	RY	0	0	0	6	9	15	6	9	15
Horticulture	Off season vegetable production	Production of off season vegetable under low cost polyhouse	15/10/15	1	KVK Ri Bhoi	PF	0	0	0	5	14	19	5	14	19
Horticulture	Protected cultivation	Site selection and construction of low cost polyhouse for vegetable cultivation	31/03/16	1	KVK Ri Bhoi	RY	0	0	0	6	0	6	6	0	6
Soil Science	INM	Integrated Nutrient Management for Vegetable Crop.	28/12/2015	1	Kdonghulu	RY	0	0	0	11	19	30	11	19	30
Soil Science	Organic farming	Soil fertility management through organic farming	07/01/2016	1	Liarkhla	RY	0	0	0	8	22	30	8	22	30
Soil Science	Soil fertility management	Soil Fertility Management for vegetable production.	05/02/2016	1	Liarkhla	Farmer	0	0	0	05	19	24	05	19	24
Soil Science	Nutrient management	Micronutrient management for Mustard cultivation	23/02/2016	1	Liarkhla	RY	0	0	0	03	19	22	03	19	22
Soil Science	Organic input production	Production and use of Vermicompost	27/02/2016	1	Kyrdem	Farm Women	0	0	0	04	21	25	04	21	25
Soil Science	INM	Integrated Nutrient Management for Potato cultivation	02/03/2016	1	Umden Mission	Farmers	0	0	0	04	44	48	04	44	48
Soil Science	Biofertiliser	Use of Bio-fertilizer for	05/03/2016	1	Nongpoh	Farmers	0	0	0	14	06	20	14	06	20

		vegetable crop production													
Soil Science	Soil health	Soil Health Management (NRM)	14/03/2016	1 Days	Kyrdem	PF	0	0	0	08	14	22	08	14	22
Soil Science	Green manuring	Soil fertility management by Green manuring for crop cultivation	16/03/2016	1 Days	Kyrdem	PF	0	0	0	05	12	17	05	12	17
Soil Science	Organic input	Site Selection and production Technology of Vermicompost in low cost structure for crop cultivation	31/03/2016	1 Days	Mawbri	RY	0	0	0	12	24	36	12	24	36
Home Science	Value addition	Processing of locally available fruits into value added products	17/06/2015 to 18/06/2015	2	KVK	Farm women	0	0	0	0	12	12	0	12	12
Home Science	Value addition	Processing of papaya into value added products	12/10/2015	1	KVK	Farm women	0	0	0	0	10	10	0	10	10

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	Seed Production	Package and practice for growing HYV of Maize(RCM-75)	8.4.15	1	Kyrdem	PF	0	0	0	1	12	13	1	12	13
Agronomy	Seed Production	Introduction of HYV of Maize	21.5.15	1	Pahamrinia	RY	0	0	0	12	0	12	12	0	12
Agronomy	Cropping Systems	Maize based cropping systems	22.6.15	1	Margner	PF (Farm women)	0	0	0	0	31	31	0	31	31
Agronomy	Seed Production	Production technology of	2.6.15	1	Sarikuchi	PF	0	0	0	3	31	34	3	31	34

		growing HYV of Paddy													
Agronomy	Seed Production	Package and practice for growing HYV of Groundnut	17.6.15	1	Sarikuchi	PF	0	0	0	8	32	40	8	32	40
Agronomy	Seed Production	Package and practice for growing HYV of Groundnut	27.6.15	1	Saiden	PF	0	0	0	26	6	32	26	6	32
Agronomy	Seed Production	Package and practice for growing HYV of Soybean	30.6.15	1	Margner	RY	0	0	0	18	12	30	18	12	30
Agronomy	Seed Production	Package and practice for growing HYV of Soybean	10.7.15	1	Kyrdem	PF	0	0	0	3	18	21	3	18	21
Agronomy	Seed production	Introduction of HYV of Soybean	6.8.15	1	Umden mission	PF	0	0	0	2	9	11	2	9	11
Agronomy	Crop Diversification	Package and practice for growing HYV of Blackgram	12.8.15	1	Mawkyrdep	PF	0	0	0	7	2	9	7	2	9
Agronomy	Crop diversification	Introduction of Pulse crop Blackgram	14.10.15	1	Margner	PF	0	0	0	5	15	20	5	15	20
Agronomy	Crop Diversification	Production technology of growing HYV of pulse crop	09.11.15	1	Kyrdem	PF	0	0	0	5	27	32	5	27	32
Agronomy	Resource Conservation Techniques	Introduction of pulse crop in rice fallows	21.11.15	1	Mawbri	PF	0	0	0	4	32	36	4	32	36
Agronomy	Resource Conservation Techniques	Production technology of growing HYV of Pulses	23.11.15	1	Umeit	PF	0	0	0	8	6	14	8	6	14
Agronomy	Seed Production	Introduction of pulse crop in rice	27.11.15	1	Pahamrinai	RY	0	0	0	14	0	14	14	0	14

		fallows														
Agronomy	Resource Conservation Techniques	Introduction of pulse crop in rice fallows	10.12.15	1	Liarbang	PF	0	0	0	11	24	35	11	24	35	
Agronomy	Resource Conservation Techniques	Introduction of pulse crop in rice fallows	18.12.15	1	Pahamsyiem	PF	0	0	0	16	16	32	16	16	32	
Agronomy	Seed Prodction	Introduction of pulse crop in rice fallows	12.2.16	1	Kyrdem	RY	0	0	0	12	0	12	12	0	12	
Agronomy	Seed Production	Package and practice for growing HYV of Sahsarang	9.6.15	1	Kyrdem	PF	0	0	0	5	8	13	5	8	13	
Agronomy	Integrated Crop Management	SRI in Paddy	7.7.15	1	Kyrdem	PF	0	0	0	3	5	8	3	5	8	
Agronomy	Crop diversification	Production technology of growing HYV of Pulses	19.8.15	1	Kyrdem	PF	0	0	0	4	7	11	4	7	11	
Agronomy	Resorce conservation Technology	Zero tillage in rice fallows	1.12.15	1	Kyrdem	PF	0	0	0	2	18	20	2	18	20	
Agronomy	Resource conservation Technology	Management of rain water in Hill Agriculture	31.3.16	1	Kodongulu	PF	0	0	0	5	5	10	5	5	10	
Horticulture		Production of quality vegetable seedlings under low cost polyhouse	08/10/15	1	Umroi Madan	PF	0	0	0	0	27	27	0	27	27	
Horticulture		Protected cultivation of vegetable	29/10/15	1	Kdonghulu	PF	0	0	0	14	24	38	14	24	38	
Horticulture		Nursery raising of tomato	23/12/15	1	Kyrdem	PF	0	0	0	2	18	20	2	18	20	
Horticulture		Cultivation practices of cucumber	26/12/15	1	Kyrdem	PF	0	0	0	2	23	25	2	23	25	
Horticulture		Cultivation of	29/12/15	1	Kdonghul	PF	0	0	0	11	15	26	11	15	26	

		winter vegetable for higher return													
Horticulture		Method of site selection, land preparation and sowing of ginger var. Nadia	29/03/16	1	Kyrdem	PF	0	0	0	0	23	23	0	23	23
Horticulture		Seed selection, land preparation and sowing of turmeric var. Megha Turmeric-1	30/03/16	1	Kyrdem	PF	0	0	0	0	23	23	0	23	23
Home Science	Value addition	Processing of mushroom into value added products	19&20/06/2015	2	Kyrdem	Farmers	0	0	0	3	12	15	3	12	15
Home Science	Value addition	Processing of plum and litchi	10/07/2015	1	kyrdem	Farm women	0	0	0	0	14	14	0	14	14
Home Science	Value addition	Processing of tomato into value added products	14&15/07/2015	2	Kyrdem	Farmers	0	0	0	8	22	30	8	22	30
Home Science	Value addition	Processing of pineapple into value added products	24 &25/07/2015	2	Umroi	Farmwomen	0	0	0	0	14	14	0	14	14
Home Science	Value addition	Processing of jackfruit into value added products	28/07/2015	1	Nongthymm ai	Farmwomen	0	0	0	0	15	15	0	15	15
Home Science	Drudgery	Drudgery reduction of farm women while performing farm works	31/07/2015 &01/08/2015	2	Nongthymm ai	Farmwomen	0	0	0	0	20	20	0	20	20
Home Science	Drudgery	Use of maize sheller for drudgery reduction	3 &4/08/2015	2	Nongthymm ai & kyrdem	Farmers	0	0	0	2	11	13	2	11	13
Home Science	Kitchen gardening	Kitchen gardening for farm women	7/08/2015	1	Nongthymm ai	Farmwomen	0	0	0	0	12	12	0	12	12
Home Science	Kitchen gardening	Kitchen gardening for farm women	11/08/2015	1	kyrdem	Farmers	0	0	0	3	7	10	3	7	10
Home	Storage	Importance and	14/9/2015	1	kyrdem	Farmers	0	0	0	1	9	10	1	9	10

Science		use of zero energy cool chamber													
Home Science	Value addition	Processing of chillies into value added products	20/11/2015	1	nonglakhiat	Farmwomen	0	0	0	0	20	20	0	20	20
Home Science	Storage	Storage techniques of fruits and vegetables	24/11/2015	1	Nongthymmai	Farmwomen	0	0	0	0	15	15	0	15	15
Home Science	Kitchen gardening	Kitchen gardening for farm women	8/12/2015	1	Nongthymmai	Farmwomen	0	0	0	0	15	15	0	15	15
Home Science	Value addition	Processing of turmeric	11/12/2015	1	Liarkhla	Farmers	0	0	0	7	9	16	7	9	16
Home Science	Value addition	Processing of Soyabean	17/12/2015	1	Nongthymmai	Farmwomen	0	0	0	0	18	18	0	18	18
Home Science	Value addition	Processing of amla into value added products	11/01/2016	1	Mawblang	Farmwomen	0	0	0	0	18	18	0	18	18
Home Science	Income generation	Bee hive briquettes preparation	14 & 19/01/2016	2	Liarkhla	Farmers	0	0	0	5	18	23	5	18	23
Home Science	Value addition	Processing of Ginger, tree tomato and chow chow into value added products	20/01/2016	1	Bhoirymbhong	RY	0	0	0	0	15	15	0	15	15
Plant Protection	Mushroom Production	Cultivation of Oyster Mushroom	9 & 10/04/15	2	Mawlein	Farmers	0	0	0	6	4	10	6	4	10
Plant Protection	IPM	Management of fruit fly in Guava through plastic bottle based ME trap	21/05/15	1	Pahamrinai & Mawtawar	Farmers	0	0	0	8	2	10	8	2	10
Plant Protection	Biological Control	Biological control of stem borer of Rice	13/08/15	1	Mawtnum & Pahamrinai	Farmers	0	0	0	11	0	11	11	0	11
Plant Protection	IDM	Management of soft rot of ginger with Biopesticides	28/08/15	1	Nonglakhiat	Farmers	0	0	0	3	7	10	3	7	10
Plant Protection	Scientific bee keeping	Scientific bee keeping	16/12/15	1	Mawtnum & Pahamrinai	Farmers	0	0	0	15	0	15	15	0	15
Plant	IPM	Management of	10/02/16	1	Nongthymmai	Farmers	0	0	0	1	9	10	1	9	10

Protection		fruit fly in Peach using plastic bottle based ME trap (RC fruit fly trap)			ai & Kyrdem												
Plant Protection	Biological Control	Biological control of bacterial wilt of tomato	11/02/16	1	Pahamrinai	Farmers	0	0	0	11	1	12	11	1	12		
Plant Protection	Biological Control	Biological control of Cabbage butterfly	24/02/16	1	Kdonghulu & Liarkhla	Farmers	0	0	0	1	9	10	1	9	10		
Plant Protection		Preparation of Bordeaux mixture	04/03/16	1	Mawtnum & Pahamrinai	Farmers	0	0	0	9	1	10	9	1	10		

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days)	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total			Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
					M	F	T	M	F	T	M	F	T					
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
On	RY	05.10.15 to 10.10.15	6	Inter	EDP	TREYSEFA	0	0	0	6	9	15	6	9	15	ATMA	18800
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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	Various aspects of crops, vegetables, livestock production and management	April 2015 to March 2016	25	0	0	0	46	56	102	0	0	0	46	56	102
2.	Diagnostic visit	Diagnosis of plant, crops and animal diseases	April 2015 to March 2016	103	0	0	0	101	112	213	0	0	0	101	112	213
3.	Field day	Field days on various crop demonstrations	April 2015 to March 2016	6	0	0	0	47	62	109	0	0	0	47	62	109
4.	Group Discussion	Discussion on various issues related to crops and livestock and their remedial measures	April 2015 to March 2016	36	0	0	0	100	150	250	0	0	0	100	150	250
5.	Kishan Gosthi			1	0	0	0	12	10	22	0	0	0	12	10	22
6.	Kishan Mela	World Soil Day Cum Rabi Kisan Mela	5th Dec 2015	1	0	0	0	121	206	327	0	0	0	121	206	327
7.	Film show			3	0	0	0	12	30	42	0	0	0	12	30	42
8.	SHG formation			0	0	0	0	0	0	0	0	0	0	0	0	0

9.	Exhibition			2	0	0	0	249	258	507	0	0	0	249	258	507
10.	Scientists visit to farmers fields	Visit to farmers field	April 2015 to March 2016	117	0	0	0	114	238	352	0	0	0	114	238	352
11.	Plant/ Animal Health camp	Animal Health Camp	14/07/2015	1	0	0	0	24	60	84	0	0	0	24	60	84
12.	Farm science club			0	0	0	0	0	0	0	0	0	0	0	0	0
13.	Ex-trainee Sammelan			0	0	0	0	0	0	0	0	0	0	0	0	0
14.	Farmers seminar/ workshop			0	0	0	0	0	0	0	0	0	0	0	0	0
15.	Method demonstration	Demonstrations during training	April 2015 to March 2016	48	0	0	0	215	358	573	0	0	0	215	358	573
16.	Celebration of important days	World soil day, Jai Kisan Jai Vigyan International year of pulses	05.12.15 23-29.12.2015 29.12.15	3	0	0	0	123	220	343	0	0	0	123	220	343
17.	Exposure visits			12	0	0	0	88	125	213	0	0	0	88	125	213
18.	Electronic media (CD/DVD)			0	0	0	0	0	0	0	0	0	0	0	0	0
19.	Extension literature			0	0	0	0	0	0	0	0	0	0	0	0	0
20.	Newspaper coverage			7	0	0	0	0	0	0	0	0	0	0	0	0
21.	Popular articles				0	0	0	0	0	0	0	0	0	0	0	0
22.	Radio talk	Nursery management –a key for success in vegetable production Cultivation of vegetables under polyhouse	17.11.15 24.11.15	2	0	0	0	0	0	0	0	0	0	0	0	0
23.	TV talk			1	0	0	0	0	0	0	0	0	0	0	0	0
24.	Training manual				0	0	0	0	0	0	0	0	0	0	0	0
25.	Soil health camp				0	0	0	0	0	0	0	0	0	0	0	0
26.	Awareness camp	PPV & FRA	19.3.2015	1	0	0	0	0	100	141	241	0	0	100	141	241
27.	Lecture delivered as resource person				0	0	0	0	0	0	0	0	0	0	0	0
28.	PRA				0	0	0	0	0	0	0	0	0	0	0	0
29.	Farmer-Scientist interaction	Interaction between Farmers and Scientist on various agricultural issues	April 2015 to March 2016	5	0	0	0	156	196	352	0	0	0	156	196	352
30.	Soil test campaign			0	0	0	0	0	0	0	0	0	0	0	0	0
31.	Mahila Mandal Convener meet			0	0	0	0	0	0	0	0	0	0	0	0	0
32.	Soil and Plant Analysis			740	0	0	0	236	504	740	0	0	0	236	504	740
Grand Total				1114	0	0	0	1644	2685	4370	241	0	0	1744	2726	4470

3.5 Production and supply of Technological products during

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Maize	RCM-75	0.35	1387		10	10
		RCM-1-2	0.40	960		20	20
		DA-16	0.41	1993		20	20
OILSEEDS	Groundnut	ICGV-86564	0.40	1200		10	10
		ICGS-76	0.30	900		10	10
	Toria	TS-67	0.20	630		10	10
PULSES	Blackgram	KV-301	0.05	1000		10	10
	Soybean	JS-335	0.36	1800		10	10
	Rice bean	Local	0.09	135		5	5
VEGETABLES							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	1.16	4340		50	50
2	OILSEEDS	0.9	2730		30	30
3	PULSES	0.5	2935		25	25
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		2.56	10,005		105	105

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Fruits							
Spices	Ginger	Nadia	1.68 q	4200		7	7
	Turmeric	Megha Turmeric-1	5.00 q	10000		20	20
Ornamental Plants							
VEGETABLES	Cabbage	Wonderball	800	800		10	10
	Broccoli	Green Magic	750	750		10	10
	Tomato	Rocky	1000	1000		10	10
	Knol Khol	Earliest	800	800		10	10
	Cauliflower	Local	900	900		10	10
	French Bean	Naga Local	0.15 q	3000		10	10
	Forest Spp.						

Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)	Elephant Footyam	Gagendra	0.72	720		5	5
	Colocasia	Local	1.76	1760		5	5

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

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits					
2	Spices	6.68 q	14200		27	27
3	Ornamental Plants	0	0		0	0
4	VEGETABLES	4250	4250		60	60
5	Forest Spp.	0	0		0	0
6	Medicinal plants	0	0		0	0
7	Plantation crops	0	0		0	0
8	OTHERS (Specify): Tubers	2.48 q	2480		10	10
TOTAL		9.16q/4250	20930		97	97

C. Production of Bio-Products during

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

C1. SUMMARY of production of bio-products during

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

D. Production of livestock during

Sl. No.	Type of livestock	Breed	Quantity	Value	Number of Recipient
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			(Nos)	Kgs	(Rs.)	beneficiaries		
						General	SC/ST	Total
	Cattle/ Dairy							
	Goat							
	Piggery							
	Poultry							
	Fisheries							
	Others (Specify)							

D1. SUMMARY of production of livestock during

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE							
2	SHEEP & GOAT							
3	POULTRY							
4.	PIGGERY							
5	FISHERIES							
6	OTHERS (Pl. specify)							
	TOTAL							

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

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

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.	Weed dynamics and productivity of wetland rice as influenced by establishment methods and integrated weed management, <i>Bangladesh Journal of Botany</i> , 45(1):9-16, 2016	Islam, Mokidul M. and D.C. Kalita	
2.	Establishment methods and weed management effects on productivity and soil fertility in wetland rice (<i>Oryza sativa</i> L.), <i>Journal of the Indian Society of Soil Science</i> , 63(3): 339-346, 2015	Islam, Mokidul M. and D.C. Kalita	
Training manuals			
Technical Report			
1.	Annual report 2014-15 of KVK, Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	1
2.	Annual Action plan 2014-15 of KVK, Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	1
3.	Monthly progress report of KVK Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	12

4.	Quarterly progress report of KVK Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	4
5.	Quarterly Monitorable target report of KVK Ri-Bhoi	PC, KVK Ri-Bhoi, Staff of KVK	4
6.	Half yearly report	PC, KVK Ri-Bhoi, Staff of KVK	2
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter			
Conference/ workshop proceedings	Performance of frontline demonstration on kharif rice in Garo Hills, Meghalaya, <i>Proceeding of National seminar on "Sustaining Hill Agriculture in Changing Climate" held at Agartala during 5-7 Dec, 2015 organized by IAHF & ICAR Umiam. pp344-346</i>	<u>Islam, Mokidul M.</u> and T. Samajdar	
	Traditional farming system : a case study of Garo tribe in West Garo Hills of Meghalaya, North Eastern India. <i>Proceeding of National seminar on "Sustaining Hill Agriculture in Changing Climate" held at Agartala during 5-7 Dec, 2015 organized by IAHF & ICAR Umiam. pp359-361</i>	T.K.Das, T. Samajdar, <u>M.Mokidul Islam</u> , G. Marak & A.K. Tripathi	
Leaflets/folders	1. KVK Ri -Bhoi at a glance (khasi & Eng) 2. PMFBY khasi and Eng	500 1000	300 500
e-publications			
Any other (Pl. specify)			
TOTAL			

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

(C) Details of Electronic Media Produced

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

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

1. i). Name of the technology/ intervention with brief details:

SRI ON PADDY VAR. SHAHSARANG

SRI is an improved method of rice cultivation developed through participatory on farm research conducted at Madagascar during 1980. It involves single seedling transplantation of young seedlings 10-14 days old instead of the conventional method of transplanting with multiple (3-4 seedlings/hill) and mature seedlings (40-45 days old) from the nursery. This method has the potential to improve the productivity of land, capital, water and labour simultaneously. The system promotes soil biotic activities in and around the root zone, through liberal applications of compost and weeding with a rotating hoe that incorporates the weeds and aerates the soil. With the adoption of SRI yields could be increased upto 6-8 tonnes per hectare with improved management, about 20-

40% increase in yield could be achieved in SRI as compared to conventional methods. However actual yield increase depends on how well farmers practice it. These practices lead to enhance yields and considerable savings in terms of seeds, water etc

i. Method / means of dissemination of the technology across the farming communities

- Conducting training in farmers field
- Demonstration on nursery raising for SRI
- Method demonstration
- Field day

ii. Degree of acceptance and adoption of the technology by the client system(s)

For the first year, only five farmers adopted the technology. However, after seeing the successful performances of paddy cultivated under SRI, a total of 70 farmers from Kyrdem and nearby villages were very enthusiastic to adopt the SRI technology in their own field.

iii. Horizontal spread/ area coverage of the technology across the system

The demonstration was conducted in the field of five farmers in a small plot 0.5 ha area. After seeing the success of the technology, others farmers from the village and from nearby villages like Sohriewblei, Umraling etc were keen to try out the technology in their field and approximately 5 ha area was covered in Umsning block.

iv. Social and economic impact/ changes of the client system as results of the intervention/ technology by KVK

Name of the technology	Area (ha)	No. of farmers	Yield (q/ha)	Increased %	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
SRI on paddy var. Shahsarang	0.5	5	39.52	30.86 %	20,550	55,328	34,778	2.69
Conventional method of paddy cultivation	0.5	5	30.2		8540	13450	4910	1.57

v. Impressive field level action photographs as evidence



Fig: 1 SRI Nursery



Fig: 2 Main field of SRI



Fig: 3 Good crop under SRI



Fig: 4 Field day for SRI



Fig: SRI vs Conventional method

2. i). Name of the technology/ intervention with brief details:

PEA CULTIVATION IN RICE FALLOW IN RAISED AND SUNKEN BEDS (VAR. PRAKASH)

Farmers usually left the field fallow after harvest of paddy. Therefore, to increase the cropping intensity, cultivation of pea in raised and sunken beds in rice fallows was introduced. Pea provides substantial benefits to subsequent paddy crop. The main advantage of cultivating pea crop is the increase soil fertility through nitrogen fixation. The variety of pea cultivated was Prakash.

ii). Method / means of dissemination of the technology across the farming communities

- Conducting training in farmers field
- Method demonstration
- Awareness programme on pulses
- Field day
- Celebration of International Year of pulses

iii). Degree of acceptance and adoption of the technology by the client system(s)

Almost all the rice fallows remain uncultivated during the lean season after paddy cultivation, many of the farmers showed great interest in adopting the technology. In the first year itself, around 25 farmers started to cultivate pea in their rice fallows covering 10 ha area.

iv). Horizontal spread/ area coverage of the technology across the system

The performance of pea crop was very good. After seeing the success of pea cultivation, other farmers from the nearby villages have shown interest in adopting this technology. Around 50 farmers from nearby villages have approached KVK Ri Bhoi for introducing the technology in their field to cover around 20-30 ha area.

v). Social and economic impact/ changes of the client system as results of the intervention/ technology by KVK

Technology demonstrated	No. of farmers benefitted	Area (ha)	Yield (q/ha)	% increase in yield	Gross Cost	Gross Return	Net Return	BCR
Raised and sunken beds with HYV	25	10	25.55	45.71	30,500	89,425	58,925	2.9
Traditional method with Local variety	25	1.5	17.5		12900	18400	5500	1.3

3. Impressive field level action photographs as evidence



Fig: Healthy Pea crop in R& S bed



Fig: Diagnostic visit to Pea field

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

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

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

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

- **Identification of courses for farmers/farm women**
 1. Observation in the field situation
 2. Small group discussion
 3. Semi structured schedule followed by personal interview
 4. PRA tools
- **Rural Youth**
 1. Observation in the field situation
 2. Small group discussion
 3. Semi structured schedule followed by personal interview
 4. PRA tools
- **Extension personnel**
 1. Discussion with superior officers
 2. Job analysis
 3. Reports

3.11 Field activities

- i. Number of villages adopted :11
- ii. No. of farm families selected :130
- iii. No. of survey/PRA conducted :6

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Mini Lab with Mridaparikshak

- 1. Year of establishment : 2015
- 2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Mridaparikshak	1	75000
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	740	740	24	
Water Samples				
Plant Samples				
Petiole Samples				
Total	740	740	24	

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

Mess age type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Mess age	No. of Benefi ciary	No. of Mess age	No. of Benefi ciary	No. of Mess age	No. of Benefi ciary	No. of Mess age	No. of Benefi Ciary	No. of Mess age	No. of Benefi ciary	No. of Mess age	No. of Benefi ciary	No. of Mess age	No. of Benefi ciary
Text only	25	250	10	100	5	50	2	20	3	30	2	20	47	470
Voice only														
Voice and Text both														
Total	25	250	10	100	5	50	2	20	3	30	2	20	47	470

3.14 Contingency planning for 2016-17

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
	Introduction of new variety or crop				
Early Season Drought	Paddy-French Bean	2.0		10	10
	Paddy +Pea+Mustard	1.0			
	Introduction of Short duration variety Paddy var. Vivekdhani 82, VL Dhan 61, Luit etc.	2.0		10	10
	Introduction of Resource Conservation Technologies				
Mid season drought	Introduction of short duration variety of pulses Blackgram Var-KV 301	1.0		15	15
	SRI in Paddy	1.0		15	15
	Distribution of seeds and planting materials				
	Any other (Please specify)				
Outbreak of pests and diseases due to unseasonal rains	<ul style="list-style-type: none"> • Crop1- Paddy (Vegetative phase) • During this phase, appearance of Blast disease may be observed. As soon as one or two blast spots are seen, Carbendazim @ 1 g/lit of water is to be sprayed. • (Flowering phase) • At flowering stage, the blast disease causes improper grain filling, poor milling recovery and chaffy ear heads. Apply Carbendazim @ 1 g/lit of water. • There may be occurrence of Brown spot disease also. For this dry or wet seed treatment with carbendazim @ 1 g/kg of seed followed by one spraying of Mancozeb @ 2.5 g/lit maybe done at initial symptom development. 	1.5		10	10
	<ul style="list-style-type: none"> • Crop2- Maize (Flowering phase) • During this drought season, the occurrence of Aphids in Maize crop at its vegetative stage is quite high. Long dry spells increase the incidence of this insect. This can be controlled by spraying Endosulfan (0.1%) or Monocrotophos (0.05%) at 80-90 DAS. 	1.0		10	10
	<ul style="list-style-type: none"> • Crop3- Groundnut (Crop maturity stage) • Collection and destruction of white grub adults must be done • Spraying the plants with Chloropyriphos 20 EC @ 2 ml/lit of water must be done.- 	1.0		10	10
	<ul style="list-style-type: none"> • Crop4- Black gram (Vegetative phase) • During this dry spell, shot holes made by Beetles can be seen. This can be controlled by spraying Endosulfan @ 2ml/ lit of water 	1.0		10	10

a. Livestock based Contingency planning

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

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Groundnut Var.ICGS-76	250	65	3500	9000
Soybean Var.JS-335	200	65	3000	8000
Black gram Var.T-9	100	80	5000	8000
Pea Var.Azad	200	70	4000	13000
Mustard Var.TS-38	80	50	3000	8000
Maize Var.RCM-1-3,HQPM-1	280	70	2500	6800
Paddy Var. Shahsarang	150	55	4000	8700

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
Directorate of Agri & Hort	Coordination of Soil testing & Issue of SHCs, implementation of various activities
ATMA	Implementation of KVK activities, Sponsored training, etc
DRDA	MGNREGA and SGSY
District Training Office	Organizing training
DAO	Implementation of FLDs and organizing training
DHO	Implementation of FLDs and organizing training
DVO	Organizing training and vaccination camp

Soil & Water Conservation	Implementation of FLDs and organizing training
DFO	Implementation of FLDs and organizing training
NABARD, Nongpoh & Shillong	Financial assistance and logistic support for organizing seminar & training
NGOs (RRTC, Umran)	Organizing training, & Farmers Fair
PPF & FRA, New Delhi	Sponsoring of training programme on PPV & FR
CRIDA, Hyderabad	Climate Resilient Agriculture project
AIR, Shillong and DDK, Shillong, Leading newspapers of Meghalaya (Meghalaya Times & Guardian, Shillong Times)	Publicity of various KVK programmes

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

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
National Initiative on Climate Resilient Agriculture	Technology Demonstrations on climate resilient technologies	Jan 2011	CRIDA, Hyderabad	11.5 lakhs (2015-16)
PPV&FRA	Awareness Programme on PPV& FRA Act	Feb 2016	PPV & FRA, MoRD, Government of India	80,000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

Sl. No.	Programme	Nature of linkage	Remarks
1	Training Programmes	TREYSEFA	

5.4 Give details of programmes implemented under National Horticultural Mission: Nil

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board : Nil

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING

6.1 Performance of demonstration units (other than instructional farm): Nil

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Maize	1/5/15	3/8/15	0.041	RCM-75	Grain Cob	33 kg 375 nos	984	1387	
Maize	6/5/15	9/3/15	0.025	RCM-1-2	Grain	40 kg	180	960	
Maize	3/5/15	4/8/15	0.047	DA-16	Grain Cob	41 kg 320 nos	1432	1993	
Pulses									
Black gram	20/8/15	18/11/15	0.014	KV-301	Grain	5 kg	769	1000	
Rice Bean	26/6/15	22/10/15	0.017	Local	Grain	8.5 kg	170	340	
Oilseeds									
Rape seed	24/11/15	1/3/16	0.02	TS-67	Seed	20 kg	630	1080	
Soy bean	26/6/15	16/10/15	0.047	JS-335	Grain	36 kg	1285	1800	
Groundnut	28/6/15	3/12/15	0.03	ICGS-76	Seed	30 kg	600	900	
	30/6/15	11/12/15	0.04	ICGV-86564	Seed	40 kg	800	1200	
Fibers									
i.									
Spices & Plantation crops									
Ginger	20/4/15	22/1/16	0.019	Nadia	Tuber	168 kg	2300	4200	
Turmeric	8/4/15	25/1/16	0.04	Megha Turmeric-1	Tuber	500 kg	5000	10000	
Floriculture									
i.									
Fruits									
i.									
ii.									
Vegetables									
Cauliflower	16/10/15	5/12/15	0.012	White	Curd	12.5 kg	120	187	

				Contessa					
Cabbage	15/10/15	27/1/16	0.022	Wonderball	Head	150 kg	1000	1600	
Broccoli	18/11/15	5/2/16	0.025	Green Magic	Curd	80 kg	1200	2000	
Pumpkin	7/5/15	6/9/15	-	Local	Fruit	8 kg	20	40	
Bottle gourd	7/5/15	7/8/15	-	Arka Bahar	Fruit	38.9	115	200	
Tomato	13/2/15	23/5/15	0.03	Arka Rakshak	Fruit	134 kg	890	1340	
Knol Khol	16/10/15	5/12/15	0.012	Earliest	Fruit	45.7 kg	280	457	
Lettuce	-	-	-	Local	Leaf	5.25 kg	100	200	
Pea	9/11/16	2/2/16	0.07	Arkle	Pod	157 kg	1800	3200	
a. Others (specify)									
Elephant Foot Yam	7/4/15	27/1/16	0.008	Gagendra	Tuber	72 kg	200	360	
Colocasia	7/4/15	27/1/16	0.017	Local	Tuber	176 kg	900	1760	

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

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

6.4 Performance of instructional farm (livestock and fisheries production) : Nil

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

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

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

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

Accommodation available (No. of beds) :

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April, 2015	Training, official visit, etc.	-	-	14	-
May, 2015	Training, official visit, etc.	-	-	181	-
June, 2015	Training, official visit, etc.	-	-	7	-
July, 2015	Training, official visit, etc.	-	-	294	-
August, 2015	Training, official visit, etc.	-	-	366	-
September, 2015	Training, official visit, etc.	-	-	76	-
October, 2015	Training, official visit, etc.	-	-	385	-
November, 2015	Training, official visit, etc.	-	-	88	-
December, 2015	Training, official visit, etc.	-	-	235	-
January, 2015	Training, official visit, etc.	-	-	72	-
February, 2015	Training, official visit, etc.	-	-	127	-
March, 2015	Training, official visit, etc.	-	-	88	-
GRAND TOTAL				1933	

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	NA	NA	NA
With KVK	State Bank of India	ICAR Complex Branch, Umiam- 793103	32427092435
Revolving Fund	State Bank of India	Barapani Branch, Umiam- 793103	10228761292

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

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

7.3 Utilization of KVK funds during the year 2014 -15

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	87.50	87.50	87.50
2	Traveling allowances	2.20	2.20	
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.12	3.12	
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees	12.48	12.48	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		105.30	105.30	
B. Non-Recurring Contingencies				
1	Works	0.0	0.0	
2	Equipments including SWTL & Furniture	7.50	7.50	
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.0	0.0	
4	Library (Purchase of assets like books & journals)	0.0	0.0	
TOTAL (B)		7.50	7.50	
C. REVOLVING FUND		0.00	0.00	
GRAND TOTAL (A+B+C)		112.80	112.80	

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

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 2013 to March 2014	1,71,567.15	6,516	0.0	1,78,083.15
April 2014 to March 2015	1,78,083.15	6,372	0.0	1,84,455.15
April 2015 to March 2016	1,84,455.15	5,688	0.0	1,90,143.15

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 : Lack of administrative staff
- (b) Financial: Late release of fund which hamper the mandated activities
- (c) Technical: Lack of full staff strength

(Signature)
Programme Coordinator

Proceedings of 9th Scientific Advisory Committee Meeting 2015 for APR 2014-15 and AAP 2015-16

The Scientific Advisory Committee Meeting of KVK, Ri Bhoi was held on 27th March 2015 in the conference hall of KVK Ri Bhoi, ICAR RC for NEH Region, Umiam under the chairmanship of Dr. S. V. Ngachan, Director, ICAR RC for NEH Region, Umiam and Dr. C. War, District AH and Vety Officer Ri Bhoi. The meeting was attended by the following members:

37. Dr. S. V. Ngachan, Director, ICAR RC for NEH Region, Umiam- Chairman
38. Dr. S. K. Baishya, Incharge Programme Coordinator, KVK Ri Bhoi- Member Secretary
39. Dr. C. War, District AH and Vety Officer Ri Bhoi District
40. Dr. A. K. Tripathi, Incharge ZPD Zone III
41. Dr. C. J. K. Warjri, AH and Vety Officer, Umroi
42. Mr. H. S. Kharpran, District Soil and Water Conservation Officer, Nongpoh, Meghalaya
43. Shri. F. Syiemiong, ASWCO, Nongpoh, Meghalaya
44. Mr. C. Goswami, Scientist, NESAC, Nongsder, Meghalaya
45. Mr. P. Suting, Fishery Officer, Nongpoh
46. Mr. G. Shylla, Nongpoh, Meghalaya
47. Mr. S. K. Budhna, District Fishery Officer, Nongpoh
48. Mr. K. B. Lakiang, ADH, Nongpoh
49. Mr. S. Mawlong, PO (Forest Department), Nongsder
50. Mr. F. M. Kharsyntiew, PD ATMA, Nongpoh
51. Dr. A. K. Mishra, PS and Head, NBPGR
52. Dr. A. K. Jha, Senior Scientist, Division of Horticulture, ICAR RC for NEH Region
53. Dr. S. Chandra, Head, Plant Protection, ICAR RC for NEH Region
54. Dr. S. K. Dabbas, PS and Head, Animal Health, ICAR Rc for NEH Region
55. Dr. A. Das, Senior Scientist, Agronomy, ICAR RC for NEH Region
56. Dr. A. S. Panwar, PS, Crop Production, ICAR RC for NEH Region
57. Dr. D. J. Rajkhowa, PS, NRM, ICAR RC for NEH Region
58. Dr. J. P. Tyagi, Incharge, Plant Breeding, ICAR RC for NEH Region
59. Dr. S. K. Das, PS, Fisheries Division, ICAR RC for NEH Region
60. Mrs. V. Maring, Farmer, Kyrдем village
61. Mrs. B. Lymphuid, Farmer, Kyrдем village
62. Mr. C. Shadap, Farmer, Kyrдем village
63. Mr. P. Phankon, Farmer, Nongpoh
64. Mrs. Mousumi G. Das, SMS, Plant Protection, KVK Ri Bhoi
65. Ms. M. Sarma, SMS, Agronomy, KVK Ri Bhoi
66. Mrs. E. C. Syiemlieh, SMS, Home Science, KVK Ri Bhoi
67. Mr. Swaroop Sharma, SMS, Social Science, KVK Ri Bhoi
68. Mr. Pynshaitbor Jana, Programme Assistant, KVK Ri Bhoi
69. Mr. B. P. Khnogjee, Lab Assistant, KVK Ri Bhoi
70. Mr. A. L. War, Farm Manager, KVK Ri Bhoi
71. Ms. G. Nongtdu, SRF(NICRA), KVK Ri Bhoi
72. Ms. S. Rai, SRF (NICRA), KVK Ri Bhoi

At the onset of the meeting Dr. S. K. Baishya, Incharge PC, KVK, Ri Bhoi welcomed the dignitaries. During his speech he briefly mentioned the importance of SAC meeting. After the welcome address the action taken report of the recommendations of the last SAC meeting was discussed in details followed by Annual Progress Report of 2014-15 and Action Plan 2015-16. During the technical session many suggestions were given to improve the performance of the KVK by the various scientific advisory committee members.

Dr. A. K. Tripathi, Incharge ZPD, Zone III emphasized on formulation of lesson plan that includes specific objective, skill to be demonstrated for all training programmes for each SMS. He also suggested that the selection of seed varieties for different crops for demonstration should be discussed with the concerned divisions of ICAR, Umiam.

Dr. C. War, District AH and Vety. Officer, Nongpoh suggested that the quality fodder cuttings from the farmers field should be tried for multiplication and if possible fodder cuttings can be supplied to the Vety Department Nongpoh for collaborative dissemination of the technology to other farmers. Along with the fodder grass, fodder trees like Jackfruit should also be given importance and technologies on the fodder trees should also

be taken up by the KVK. In case of OFT on pigs he emphasized that the back fat thickness should also be taken as one of the parameters.

The representative from District Agriculture Office, Soil and Water Conservation office, District Horticulture Office, NESAC, department of Fisheries, Forest Department, ATMA and other SAC members including farmers members interacted and deliberated on various issues.

The scientists and HODs of the various division of the institute also suggested that new varieties of seeds of different crops especially Pea, Maize, and Soybean etc can be procured from the concerned departments for dissemination to the farmers.

Dr. S. V. Ngachan, Director, ICAR RC for NEH region, critically reviewed the activities of KVK and the action plan for the year 2015-16. During his observation he suggested that more technology demonstration on Maize, Soybean, Mustard, and Groundnut should be taken up by the KVK. The production productivity of Maize should be enhanced as it is one of the cheapest and best source of fodder for the livestock and can be incorporated in the animal and poultry feed. Hence training on entrepreneurship development of farmer for Maize should be conducted on seed multiplication. He suggested that value addition of chow chow for Squash, juices etc should be given importance and more technologies, trainings should be taken up on this regard. In case of pea cultivation he recommended that new variety should be taken up for demonstrations. He further suggested integrating bee keeping with mustard, rapeseed, buckwheat etc cultivation and year round plant cultivation for continuous honey production. Regarding pig production he advised to link up with processing unit of Livestock Production division of the institute for value addition of pork.

During the meeting 4 nos. of leaflets and 1 no. of Bulletin were released. Following were the titles of the leaflet and bulletin:

1. Processing of fruits- Squash (Khasi)
2. Value addition of Pineapple (Soh trun) (Khasi)
3. Processing of fruits and vegetables (Khasi)
4. Soya Processing and value addition (Khasi)
5. An approach to integrated Farming Systems in Ri Bhoi District (Bulletin)

Following recommendations were made on the basis of the suggestion made by the Scientific Advisory Committee members:

1. Technology Demonstration on Maize, Soybean, Mustard, and Groundnut should be taken up in KVK adopted village.
2. Demonstration on fodder grass and trees and value addition of fodder by means of silage preparation should be demonstrated and trainings should be conducted.
3. New variety of crops like pea, Maize etc. should be used in technology demonstration according to its suitability in the district.
4. Trainings on value addition of chow chow should be conducted.
5. High yielding variety of rice followed by pea cropping system should be demonstrated. New variety of pea like Prakash can be demonstrated instead of Azad variety.
6. Animal Health Camp should be organized by the KVK.
7. KVK should have more collaborative programmes with other divisions of the institute on dissemination of quality seed to the farmers.

The meeting ended with the vote of thanks offered by Mr. S. Sharma, SMS, Social Science, KVK Ri Bhoi.

(Signature)
Programme Coordinator