PROFORMA FOR ANNUAL REPORT OF KVKS, 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	
KVK, East Khasi Hills,	0364-2560132	0364-2560132	kvkekhup@gmail.com
Upper Shillong,			Website:
Meghalaya-793009			www.kvkeastkhasihills.nic.in

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Agriculture,	0364-2222460	0364-2222460	agri-meg@nic.in
Cleve Colony,			
Shillong,			
Meghalaya-793003			

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

The Trumble of the Trogramme Coordinates With I	mone et moone 140				
Name	Telephone / Contact				
	Residence	Mobile	Email		
Smt. Iadahunlang Kharkongor	-	9436118346	iadakharkongor@gmail.com		

1.4. Year of sanction: 2010

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	Smt. Iadahunlang Kharkongor	Programme Coordinator	Horticulture					
2	Subject Matter Specialist	Shri.Shanmebansan Marbaniang	SMS (Extension)	Education Extension	PB-3 (15600-39100) with grade pay of Rs.5400	22947	26-6-2012	Contractual	ST
3	Subject Matter Specialist	Shri. Rike Chelchak A. Sangma	SMS (Agronomy)	Agronomy	PB-3 (15600-39100) with grade pay of Rs.5400	22279	01-10-2013	Contractual	ST
4	Subject Matter Specialist	Smt. Aibanrihun Lyngdoh	SMS(Horti)	Horticulture	PB-3 (15600-39100) with grade pay of Rs.5400	22947	26-6-2012	Contractual	ST
5	Subject Matter Specialist	Smt. Bakordalin Chyne	SMS(Plant Protection)	Entomology	PB-3 (15600-39100) with grade pay of Rs.5400	22279	7-7-2012	Contractual	ST
6	Subject Matter Specialist	Shri. Samborlang Malngiang	SMS(Fisheries)	Fisheries	PB-3 (15600-39100) with grade pay of Rs.5400	22279	13-5-2013	Contractual	ST
7	Subject Matter Specialist	-	-	-	-	-	-	-	-
8	Programme Assistant	Mr. Koles A. Muktieh	Programme Assistant (Computer)	Computer Application	PB-2 (9300-34800) with grade pay of Rs.4200	14322	3-12-2012	Contractual	ST
9	Computer Programmer								
10	Farm Manager	Mr. Baiaishahlang Syiemlieh	Farm Manager	BSc. Agri	PB-2 (9300-34800) with grade pay of Rs.4200	14752	29-7-2012	Contractual	ST
11	Accountant /	-	-	-	-	-	-	-	-

	Superintendent								
12	Stenographer	-	-	-	-	-	-	-	-
13	Driver	Shri. Friday Ramde	Driver	Under	PB-1 (5200-20200)	7416	1-9-2012	Contractual	ST
				matriculation	with grade pay of				
					Rs.2000				
14	Driver	-	-	-	-	-	-	-	-
15	Supporting staff	-	-	-	-	-	-	-	-
16	Supporting staff	-	-	-	-	-	-	-	-
	Total	9	-	-	-	-	-	-	-

1.6. a. Total land with KVK (in ha) : 10.2

b. Total cultivable land with KVK (in ha): 6.00 (approx)

c. Total cultivated land (in ha): 0.75 ha (approx)

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	
2.	Under Demonstration Units	0.07
3.	Under Crops (Cereals, pulses, oilseeds etc.)	-
4.	Under vegetables	0.25
5.	Orchard/Agro-forestry	-
6.	Others (specify)	-

1.7. Infrastructural Development:

A) Buildings

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

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	ML 05 G-9672	2010	6.00 lakhs	86197.7	Excellent

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD Projector	2010	97,000.00	Good

White board	2010	1800.00	Good
Computer and accessories (2 No.)	2010, 2013	91942.00	Good
Photocopier	2010	1,07,000	Good Funded by Host institute
Laptop Computer	2010	45,700.00	Good, funded by Host institute
Digital camera	2011	20,450.00	Good
Electronic weighing Balance	2012	7650.00	Good
Colour printer, Scanner & Fax (All in one)	2012	25000.00	Good
Internet Connectivity (Through telephone line)	2010	1454.00	Good
Sprayer	2011	1800.00	Good
Paddy weeder (3 No.)	2011	3000.00	Good
SRI row maker (3 No.)	2011	1500.00	Good
Adjustable row maker (2 No.)	2013	1260.00	Good
HP Desktop (4nos)	2016	183064.00	Excellent
HP Printer (1no.)	2016	72500.00	Excellent
HP Officejet Pro 6830 All in one Printer	2016	12095.00	Excellent
Projector (1 no.)	2016	72510.00	Excellent
Ahuja PA Systems	2016	50000.00	Excellent

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 recommendati on
1.	26 th February 2016	Shri. N.S. Nongbri	Joint Director (R&T) cum State Nodal Officer KVK under Directorate of Agriculture,	-Chaired the meeting -Farmers in remote villages are	

		Meghalaya	lacking knowledge in the advancement of latest technology in agriculture and allied sciences. Hence for effective dissemination of the latest technologies, a tie up between the KVKs and Farmers groups at
			village level is important to improve the livelihood of the farmers.
2.	Dr. R. Bordoloi	Principal Scientist, ATARI, Zone-III, ICAR Umiam	the livelihood of the farmers. - format for presentation of achievements of KVK should be more technical consisting of all parameters so that the house would have a better understanding of the activities of the KVK. He further pointed out that the Completed trials and On-going trials too should be projected to know the progress of all the OFTs and FLDs. -stressed upon the importance of targeting at least one training from each discipline for the Entrepreneurs development. He also stress of training of extension personnel which may comprise of Aganwadi or BFAs or Gram Sevaks etc -also suggested that the SMSs should try to initiate more radio talks and T.V. talks so as to reach out to more farmers and farming communities.
			- suggested that standardisation of only one media should be done for growing of gerbera as FLD under

Shri. R. Suchiang Smt. R.M. Majaw	J.E (WR) o/o EEWR Division Research Officer, Shillong	Horticulture discipline -organising meetings for ex-trainees to keep track of the progress of farmers that have undergone trainings at the centre. He also suggested more involvement of progressive farmers in KVK activities for better achievement of the plans and programmes of KVKs in different villages technical parameters should be added in FLD of Jhalkund during the presentation on the action plan of SMS (Extension) directed the SMS to change the title of OFT to include technology gaps analyze in Lentil and Capsicum.	
Dr. (Mrs) O.M. Kharkongor	A.H & V.O (L.I)	suggested for more production of Maize to contribute to the production of feed for livestock and she also suggested linking the maize growers with mills in the state. This suggestion was accepted by SMS (Agronomy), whereby he suggested that introduction of HQPM and formation of Maize cluster and identification of Maize village can be done jointly	
Smti. M. Dkhar	Assistant Director, Horticulture, East Khasi Hills	-appreciated the efforts of the KVK,EKH for the cooperation given by the KVK in terms of providing	

	Smti. I. Rynjah	DSWO, SHG (CC) Dir, Soil &Water Conservation Deptt	Resource persons for various training programmes. She also highlighted the problem of Citrus Decline in the state and suggested for joint efforts to come up with a solution for the problem. -Adoption in IDM, IPM, INM is required to improve the productivity of crops in the district. enquired whether Agroforestry can also be adopted in the AAP of the coming year. This query was met with a satisfactory answer given by S. Malniang, SMS (Fishery). He informed the house that Agroforestry trees have been tried at Wahlyngkhat village under Pynursla C & RD Block.	
	Miss. N. CH. Marak	Farm Manager, Sericulture Department		
	Shri. A. Nongbri	ADA (Agro) D.A.O Office Shillong		
	Shri. J.H. Suchiang	Superintendent of Fisheries East Khasi Hills District	FLD on Composite fish culture in the Achievement presentation should be mentioned specifically whether it is Duck-cum-Fish Culture or Pig-cum-Fish Culture to better understand the benefits derived from each. He also suggested to focus more on Pig-cum-Fish Culture as he has found from his experience to be more beneficial	

Shri. R. K. Bhattacharjee	CM, SBI Shillong	
Shri. N.J.J. Nongkhlaw	Programme Executive DDK, Shillong	requested for scripts of any programme done by the KVK in collaboration with the Doordarshan
Shri. P.R. Lyngdoh	Fishery Officer East Khasi Hills District, Shillong	
Smti. I. Kharkongor	Programme Coordinator, KVK, East Khasi Hills	
Smti. B. Chyne	SMS (Plant Protection) KVK, East Khasi Hills District	
Smti. A. Lyngdoh	SMS (Horticulture) KVK, East Khasi Hills District	
Shri. S. Marbaniang	SMS (Agril. Extension) KVK, East Khasi Hills District	
Shri. R.C.A. Sangma	SMS (Agronomy) KVK, East Khasi Hills District	
Shri. S. Malngiang	SMS (Fisheries) KVK, East Khasi Hills District	
Shri. A. Kynter	Progressive Farmer, Mawklot	inform the house that he has been associated with KVK for the last four years and has benefited alot. He has also stated that he has gain lots of knowledge regarding use of pesticides and about require dose of fertilizer application. However in the years to come he stressed more on the knowledge of the uses of biofertilizers and biopesticides

^{*} Attach a copy of SAC proceedings along with list of participants

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1.	Agri + Hort + AH+ Fishery
2.	Agri + Hort+ AH
3.	Agri + Hort
	Enterprises
	1. Agri –Paddy, Maize, Soybean
	2. Hort-Tomato, Ginger, Turmeric, Cabbage, Cauliflower, Chillies, Beans, Peas, Beat root, Carrot, Radish, Potato, Garlic, Lettuce,
	Gerbera, Lilium, Khasi Mandarin ,Plum, Pear, Peach, Papaya, Banana, Passion fruit.
	3. AH and Vety – Poultry, Piggery, Cattle, Goatery, Sheep.
	4. Fishery – Common carp, Grass Carp, Silver Carp, Cattla and Rohu.

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

Sl. No	Agro-climatic Zone	Characteristics
1	Temperate Sub-Alpine zone	N.A.
2	Subtropical	N.A

No. of Name of A.E.S	Blocks	% of geographical area in the
		district
A.E.S.I: 61997 ha.	Mylliem Dev. Block	22.6
Altitude: 1490m-1800m	Mawphlang	
Soil type: Sandy clay loam	Laitkroh	
ACZ: Seep- Hills & Northern slopes plateau		

A.E.S.II – 64800 ha.	Mawryngkneng	23.6
Altitude: 1610m-1780m	Mawkynrew	
Soil type: Loamy, Sandy clay loam		
ACZ: Seep- Hills & Northern slopes plateau		
A.E.S.III -148003	Shella Bholaghanj	53.8
Altitude: 1110m -1300m	Pynursla	
Soil type: sandy clay loam	Mawsynram	
ACZ: Seep-: Southern slopes & valleys		

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1.		Deep, excessively drained, fine soils on moderately sloping side-slopes of hills having	
		loamy surface with moderate erosion hazard associated with: Moderately deep,	
		excessively drained, coarse-loamy soils on gently sloping hill tops with very severe	
		erosion hazard and strong stoniness.	
2.		Deep, excessively drained, fine soils on gently sloping side-slopes of hills having loamy	
		surface with moderate erosion hazard associated with: Deep, poorly drained, fine-loamy	
		soils on very gently sloping valleys with very slight erosion hazard and ground water	
		table below one metre depth of the surface.	
3.		Deep, excessively drained, fine soils on moderately sloping side slopes of hills having	
		loamy surface with moderate erosion hazard & slight stoniness associated with:	
		Moderately deep, excessively drained, loamy-skeletal soils on gently sloping hill tops	
		with very severe erosion hazard and strong stoniness.	
4.		Deep, excessively drained, fine soils on moderately steep side-slopes of hills having	

	loamy surface with moderate erosion hazard and strong stoniness associated with:
	Moderately deep, excessively drained, loamy-skeletal soils on very gently sloping hill
	tops with severe erosion hazard and strong stoniness
5.	Deep, excessively drained, fine soils on moderately sloping side-slopes of hills having
	loamy surface with moderate erosion hazard associated with: Moderately deep,
	excessively drained ,fine-loamy soils on gently sloping hill tops with very severe
	erosion hazard and strong stoniness
6.	Moderately shallow, excessively drained, fine-loamy soils on moderately steep side
0.	
	slopes of hills having loamy surface with severe erosion hazard and strong stoniness
	associated with: Moderately Shallow, excessively drained, loamy-skeletal soils on
	gently sloping hill tops with very severe erosion hazard and slight stoniness.
7.	Moderately deep, excessively drained, coarse-loamy soils on very steeply sloping hill
	escarpment having sandy surface with very severe erosion hazard and strong stoniness
	associated with: Deep, excessively drained, coarse-loamy soils on steeply sloping hill
	tops with severe erosion hazard and strong stoniness
8.	Moderately deep, excessively drained, loamy-skeletal soils on moderately steep side-
	slopes of hills having sandy surface with very severe erosion hazard and strong
	stoniness associated with: Shallow, excessively drained, loamy-skeletal soils on
	moderately steep side-slopes of hills with very severe erosion hazard and strong
	stoniness
9.	Deep, excessively drained, fine-loamy soils on moderately sloping side-slopes of hills
	having loamy surface with moderate erosion hazard associated with: deep excessively
	drained, fine soils on moderately sloping side-slopes of hills with moderate erosion

	hazard.	
10.	Deep, moderately well drained, fine soils on very gently sloping upland having loamy	
	surface with slight erosion and slight flood hazards associated with: Deep, well drained,	
	fine soils on moderately sloping side slopes of hills with moderate erosion hazard.	
11.	Deep, excessively drained, loamy-skeletal soils on steeply sloping side-slopes of hills	
	having loamy surface with severe erosion hazard and strong stoniness associated with:	
	Deep, excessively drained, coarse-loamy, soils on steeply sloping side-slopes of hills	
	with severe erosion hazard and moderate stoniness.	
12.	Moderately deep, excessively drained, fine-loamy soils on steeply sloping side-slopes of	
	hills having loamy surface with severe erosion hazard and moderate stoniness associated	
	with: Deep, excessively drained fine soils on steeply sloping side-slopes of hills with	
	severe erosion hazard and strong stoniness.	
13.	Moderately deep, excessively drained coarse loamy soils on moderately steep side-	
	slopes of hills having loamy surface with moderate erosion hazard and slight stoniness	
	associated with: Moderately deep, excessively drained, fine soils on moderately, sloping	
	side-slopes of hills with severe erosion hazard and slight stoniness	
14.	Moderately deep, excessively drained loamy-skeletal soils on moderately steep side-	
	slopes of hills having loamy surface with very severe erosion hazard and strong	
	stoniness associated with: Moderately shallow, excessively drained, coarse loamy soils	
	on moderately steep side-slopes of hills with very severe erosion hazard and strong	
	stoniness.	

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

S.	Crop	Area (ha)	Production (in Metric Tons)	Productivity (Kg /ha)	Year
No	Rice				
1	Autumn	279	790	2832	2012-2013
a) b)	Winter	5422	12187	2248	2012-2013
		114	226	1982	2012-2013
c)	Spring Maize	2091	6578	3146	2012-2013
2		2091	03/8	3140	2012-2013
3	Millets	246	241	1206	2012 2012
a)	Other Cereals and Small	246	341	1386	2012-2013
	Millets				
4	Pulses	Lana		2500	T 2011 2012
a)	Pea	293	820	2799	2011-2012
b)	Cow Pea	1	1	1000	2011-2012
c)	Lentil	6	4	667	2011-2012
d)	Others Pulses	645	2261	3505	2012-2013
5	Oil Seeds				
a)	Sesamum	78	96	1231	2012-2013
b)	Rape & Mustard	91	78	857	2012-2013
c)	Soya bean	405	541	1336	2012-2013
6	Tuber Crops	•			
a)	Potato	11273	110971	9844	2011-2012
b)	Sweet Potato	664	2626	3955	2011-2012
c)	Tapioca	428	2260	5280	2011-2012
7	Citrus fruits				
a)	Khasi Mandrin	3893	18135	4658	2011-2012
b)	Assam Lemon	370	1684	4551	2011-2012
8	Fruits Crops	•	-	•	•
a)	Pine Apple	887	6386	7200	2011-2012
		I		<u> </u>	1

b)	Banana	760	7870	10355	2011-2012
c)	Papaya	95	663	6979	2011-2012
9	Spices Crops	·	•		·
a)	Ginger	476	3891	8174	2011-2012
b)	Turmeric	90	457	5078	2011-2012
c)	Chillies	116	244	2103	2011-2012
10	Plantation Crops	<u>.</u>		<u>.</u>	·
a)	Tea	72	6	83	2011-2012
b)	Arecanut	4521	4824	1067	2011-2012

2.5. Weather data

Month	Rainfall (mm)	Tempe	rature ⁰ C	Relative Humidity (%)
		Maximum	Minimum	
January	48.20	19.07	3.05	NA
February	0.00	22.93	6.17	NA
March	177.90	27.22	5.70	NA
April	1395.20	28.20	8.10	NA
May	291.30	30.39	10.01	NA
June	368.90	30.20	14.27	NA
July	368.10	29.02	18.35	NA
August	588.00	28.02	18.07	NA
September	328.80	27.60	17.00	NA
October	218.00	26.35	16.01	NA
November	12.60	23.46	6.50	NA
December	0.00	21.03	4.07	NA

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

Category	Population	Production (in Tons)	Cow's Milk in Litter	Egg in '000 in No.	Productivity
Cattle		1		1	
Crossbred	9268	12288.364	21,270	-	-
Indigenous	99919	-		-	-
Buffalo	626	49.074	-	-	-
Sheep		<u> </u>	<u> </u>	I	
Crossbred		597.296	-	-	-
Indigenous	8957	-	-	-	-
Goats	56632	-	-	-	-
Pigs			-	-	-
Crossbred		4944.062	-	-	-
Indigenous	11,9357	-	-	-	-
Rabbits		-	-	-	-
Poultry					
Hens	4,75,253	2640.921	-	11578.5	-
Desi	-	-	-	-	-
Improved	-	-	-	-	-
Ducks	-	-	-	-	-
Others (Horse/Mule/Donkey)	48	-	-	-	-

Category	Water spread Area (ha)	Production ('000 tons)	Productivity (tons/ha)
Fresh Water	254.94	382	1.5
Marine	-	-	-
Inland	-	-	-
Prawn	-	•	-
Scampi	-	•	-
Shrimp	-	•	-

Note: Pl. provide the appropriate Unit against each enterprise

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

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1		Mylliem	Mylliem	Paddy, Maize, Pea, Cabbage, Frenchbean, Radish, Turnip, Cauliflower, Potato, Plum, Pear, Peach, Poultry, Piggery Cattle.	 Lack of knowledge of good quality seeds. Lack of knowledge on water management Lack of knowledge on pest and disease management Blast and brown spot of rice Diseases of poultry and pigs Feed management Lack of knowledge on livestock management Lack of marketing Facilities Lack of knowledge of scientific method of cultivation 	 Introduction and popularization of HYV for agril. & hort. crops Resource conservation technologies Integrated pest and disease management Feed and health management of livestock Introduction of improved package of practices

	Baniun	Paddy, Maize, Pea, Cabbage, Frenchbean, Radish, Turnip, Cauliflower, Potato, Plum, Pear, Peach, Apple, Poultry, Goatery, Piggery, Cattle.	 Lack of knowledge of good quality seeds. Lack of knowledge for improved package and practices of both agrilhort. Crops Lack of knowledge on pest and disease management Diseases of poultry and pigs Feed management Lack of knowledge of scientific method of cultivation 	 Introduction and popularization of HYV for agril. & hort. crops Integrated farming system Integrated pest and disease management Feed and health management of livestock Resource conservation technologies Soil health and fertility management Introduction of improved package of practices management
	Nongpiur	Paddy, Maize, Potato, Cabbage, Beetroot Mustard, Lettuce Pea, Cauliflower, Carrot, Tomato, Bean, Chilli, Ginger, Plum, Pear, Cattle, Piggery, Poultry	 Lack of knowledge on pest and disease management Lack of knowledge on water management of agril. & hort. crops Diseases of livestock Feed management Birth problems in livestock 	 Integrated pest and disease management Resource conservation technologies Introduction and popularization of HYV for agril. & hort. crops Feed and health management of livestock

	Sadew	Paddy, Maize, Potato, Cabbage, Mustard, Pea, Cauliflower, FrenchBean, Radish, pumkin, Squash, Colocasia, Plum, Pear, Peach Chestnut, Cattle, Piggery, Poutry	 Lack of knowledge of good quality seeds. Lack of knowledge on water management Lack of knowledge on pest and disease management Diseases of poultry and pigs Feed management Lack of knowledge on livestock management Lack of marketing Facilities 	 Introduction and popularization of HYV for agril. & hort. crops Resource conservation technologies Integrated pest and disease management Integrated farming system Feed and health management of livestock
	Mawklot	Potato, Cabbage, Cauliflower, Frenchbean, Pea, Maize, Radish, Mustard, Beetroot, Pear, Plum	 Soil Health Low yield of potato Disease of and pests of vegetables Lack of market facility Feed management Diseases of livestock 	 Soil health and fertility management Introduction and popularization of HYV and disease resistant variety of potato Integrated pest and disease management Feed and health management of livestock
	Sanmer	Potato, Cabbage, Cauliflower, Frenchbean, Pea, Maize, Radish, Mustard, Beetroot, Pear, Plum	 Soil Health Disease of and pests of vegetables Lack of market facility Feed management Diseases of livestock 	 Soil health and fertility management Introduction and popularization of HYV and disease resistant variety Integrated pest and disease management Feed and health management of livestock

2		Mawphlang	Paddy, Maize, Potato, Pea, Beans, Radish, Mustard, Turmeric, Beat root, Sesamum, frenchbean, Cabbage, Chilli, Peach, Plum, Prunisnepalensis, Poultry, Goatery, Piggery, Cattle, Sheep.	 Lack of knowledge for improved package and practices of both agrilhort. Crops Lack of knowledge of good quality seeds. Lack of knowledge on water management of agril. & hort. crops Lack of knowledge on pest and disease management Lack of knowledge on use of pesticides and Fertilizers Lack of knowledge on post harvest management of Potato 	 Introduction of improved package of practices Integrated farming system Introduction and popularization of HYV for agril. & hort. crops Resource conservation technologies Integrated pest and disease management Nutrient management Post harvest technology of Potato.
	Mawphlang	Lyngkhoi	Potato, rice, maize, cole crops, livestock, fishery, pea, pumpkin,	 Irrigation during winter Diseases occurrence Frost Transportation Lack of knowledge of new varieties and strains of crops and livestock Lack of knowledge of scientific practices of cultivation 	 Introduction of improved package of practices Introduction and popularization of HYV for agril. & hort. crops Integrated pest and disease management Post harvest technology of Potato. Resource conservation technologies Feed and health management of livestock Introduction of IFS

		Mawreng	Potato, maize, cole crops, livestock, f, pea, pumpkin, Floriculture	 Irrigation during winter Diseases occurrence Frost Transportation Lack of knowledge of new varieties and strains of crops and livestock Lack of knowledge of scientific practices of cultivation 	 Introduction of improved package of practices Introduction and popularization of HYV for agril. & hort. crops Integrated pest and disease management Post harvest technology of Potato. Feed and health management of livestock Introduction of IFS
3	Shella- Bholaganj	Laitkynsew	Tomato, Potato, Pea, Beans, Radish, Mustard, Beat root, frenchbean, Cabbage, turnip lettuce, Carrot, Chilli ,Black pepper, bay leaf , Arecanut, betel leaf, Tapioca, Khasi mandarin, Jack fruit, Banana, Pineapple, Passion Fruit and minor fruits. Poultry, Goatery, Piggery, Cattle,	 Lack of knowledge for improved package and practices of both agrilhort. Crops Pest and diseases of Tomato, Potato. Lack of irrigation facilities Soil erosion problem Lack of knowledge of nursery raising Diseases of livestock Feed management Crown rot of Arecanut 	 Introduction and popularization of HYV for agril. & hort. crops Integrated pest and disease management Resource conservation technologies Soil fertility management Nursery management Feed and health management of livestock

4		Tyrsad	Paddy, Maize, Potato, Pea, FrenchBeans, Radish, Mustard, Cabbage, Cauliflower, turnip, , Chilli, SweetPotato, SquashPumki, Sesamum, Peach, Pear, Plum, Papaya, Passion Fruit, Prunusnepalensis and Some minor fruits. Poultry, Goatery, Piggery, Cattle,	 Lack of knowledge for improved package and practices of both agrilhort. Crops Pest and diseases of Potato Lack of knowledge on post harvest management of potato Lack of irrigation facilities Diseases of poultry and pigs Feed management Lack of knowledge on livestock management 	 Introduction of improved package of practices Introduction and popularization of HYV for agril. & hort. crops Integrated pest and disease management Post harvest technology of Potato. Resource conservation technologies Feed and health management of livestock
	Mawsynram	Dangar	Paddy, Maize, tomato, carrot, brinjal, lady's finger, Pea, FrenchBeans, Radish, Mustard, Cabbage, Chilli, Arecanut, BlackPepper, Betelvine, Lettuce, Greengram, Papaya, Banana, Mango, Jackfruit Poultry, Goatery, Piggery, Cattle	 Low cropping intensity Lack of knowledge of scientific method of cultivation Lack of irrigation facilities Pest and diseases of tomato, cabbage Diseases of poultry and pigs Feed management Lack of knowledge on livestock management 	 Increasing the cropping intensity by introducing a second crop Introduction of improved package of practices Resource conservation technologies Integrated pest and disease management Feed and health management of livestock

5	Mawkynrew	Thangsning	Maize, Potato, Soyabean Pea, French Beans, Radish, Mustard, Cabbage, Chilli, Cucumber, Carrot, Onion Lettuce, Pumkin, Pear, Plum, Lemon, Flamengia sp and Some minor fruits. Poultry, Goatery, Piggery ,Cattle	 Lack of irrigation facilities Lack of knowledge for improved package and practices of both agrilhort. Crops Lack of knowledge of good quality seeds. Lack of knowledge on use of pesticides and Fertilizers Pest and diseases of Potato and cabbage Diseases of poultry and pigs Feed management Lack of knowledge on livestock management Leaching loss of soil nutrient 	 Resource conservation technologies Introduction and popularization of HYV for agril. & hort. crops Integrated pest and disease management Feed and health management of livestock Soil health and fertility management
6	Mawryngkneng	Diengpasoh	Paddy, Maize, Soyaben, Tomato, Pea, French Beans, Mustard, Cabbage, Cauliflower, Chilli, Ginger, Cucumber, Carrot, Pumkin, Bottle Gourd, Egg - plant, Pear, Papaya, Mango, Passion Fruit Assam Lemon Banana, Jack fruit Guava, P. nepalensis, valencia Poultry, Piggery, Cattle.	 Lack of knowledge on use of pesticides and Fertilizer Pest and diseases of Tomato and Paddy and Ginger Lack of irrigation facilities Lack of knowledge of good quality seeds. Diseases of poultry and pigs Feed management Lack of knowledge on livestock management Fluctuation on market price Lack of knowledge of fish rearing 	 Integrated pest ,disease and nutrient management Resource conservation technologies Introduction and popularization of HYV for agril. & hort. crops Feed and health management of livestock Composit fish culture

7	Khatarshnong- Laitkroh	Mawbeh	Maize, Soyaben, Potato, Pea, French Beans, Mustard, Cabbage, Chilli, Turnip, Colocasia, Pumkin, Gourd, Egg- plant, Pear, Plum, Papaya,, Passion Fruit Assam Lemon, Peach, Banana, Prunus. nepalensis, Mulberry, Poultry, Piggery, Cattle, Goatery	 Pest and diseases of Vegetables Lack of knowledge on use of pesticides and Fertilizers Lack of knowledge for improved package and practices of both agrilhort. Crops Lack of knowledge of good quality seeds. Diseases of poultry and pigs Feed management Lack of knowledge on livestock management 	 Introduction of improved package of practices Integrated pest ,disease and nutrient management Resource conservation technologies Introduction and popularization of HYV for agril. & hort. crops Feed and health management of livestock
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3. TECHNICAL ACHIEVEMENTS

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

Discipline		OFT (Technology As	ssessment and R	Refinement)	FL	D (Oilseeds, Pulses, N	Iaize, Other Cro	ps/Enterprises)
	Nu	Number of OFTs Number of			er of Farmers Number of		r of FLDs Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	2	2	48	48	2	2	45	45
Horticulture	2	2	69	75	3	3	72	85
Plant protection	3	3	105	114	3	3	150	235
Fisheries	3	3	15	15	2	3	20	20

Agril. Extension	3	3	300	300	2	2	-	-
Total	13	13	537	552	12	12	287	385

Note: Target set during last Action Plan Workshop

Training (inclu	ıding sponsored,		and other t	rainings carr	ied under Rai	nwater	Extension Activities				
			3				4				
	Number of Cou	ırses		Numb	er of Particip	ants	nts Number of activities Number			er of participants	
Clientele	Targets	Achieve	ment	Targets	gets Achievement		Targets	Achievement		Targets	Achievement
Farmers	67	72 1814 2033			284	495		6083	9954		
Rural youth	13	16	390 541			-	-		-	-	
Extn.	2	4		65	85		-	-		-	-
Functionaries											
Total	82	92		2269	2659		284	495		6083	9954
	See	d Production	on (ton.)				Planting material (Nos. in lakh)				
		5				6					
	Target Achieven						Target A			Achievement	
Potato (1.5)	Potato (1.5) 2 tons		2 tons			Tomato	(0.05)		0.1		
						Broccoli	(0.02)		0.05		
			King		King Ch	King Chilli (0.01) 0.02		0.02	0.02		

	Capsicum (0.04)	0.06
	Gerbera (0.03)	0.05

Note: Target set during last Action Plan Workshop

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

	Thrust	Crop/				Int	erventions		
Sl. No	area	Enter prise	Identified problems	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extensi on activiti es	Supply of seeds, planting materials etc.
	Varietal Performanc e	Baby	Non-availability of fresh babycorn and locally processed babycorn.	Introduction and scientific package of practices of babycorn var RCM 1-1, RCM 1-3		Package of practises of babycorn.			Seeds and fertilizer
	Varietal Performanc e	Soybe an	Low Cropping intensity and absence of leguminous crop in cropping system.	Introduction and Varietal performance of Soybean var. JS 335		Package of practises of soybean			Seeds and fertilizer

Climate Resilient Ageicultur e	Rice	Unavailability and high cost of labour for land preparation in rice field, poor soil fertility, degradation of soil properties, etc		Resource Conservation Technology	Resource Conservation Technology in rice based cropping system.	Resource Conservation Technology		Seeds and fertilizer
Varietal evaluation	Maize	Poor yield of local varieties of maize and unscientific method of cultivation		Introduction and varietal performance of DA 61-A	Nutritional importance of Quality Protein Maize (QPM) varieties			Seeds and fertilizer
Exotic vegetables	Brocc oli	Low income	-	Scientific Package of practices of Broccoli var. 'Solan Green Head'	Exotic vegetables production	-	Trainin gs, method demons trations.	Vermicompost,FYM,seeds,bio-fungicide,bio-pesticide.
Nutrient Manageme nt	Gerbe ra	Degradation of soil health due to injudicious use of chemical fertilizers	-	Use of organic substrate media for growing gerbera. (leafmould,fy m,vermicomp ost)	Production of export potential ornamental plants	-	Trainin gs,Meth od demons trations.	Vermicompost,FYM,Seedlings ,bio-pesticides,bio-fungicides

Varietal Evaluation	Tomat	Late Blight	-	Scientific package of practices of tomato var. Megha Tomato 3 (MT 3)	Production of export potential vegetables	-	Trainin gs, Method demons trations.	Vermicompost,FYM,Seeds,bio -pesticides,bio-fungicides
Seed production	Brocc oli	Non availability of open pollinated seeds	Seed production of Broccoli	-	Seed production of vegetable crops	-	Trainin gs, method demons trations.	Vermicompost,FYM,Seedlings ,bio-pesticides,bio-fungicides
Varietal Evaluation	Capsi cum	High infestation of Anthracnose fruit rot	Scientific package of practices of Capsicum var. 'California Wonder	-	Production of low volume and high value crops	-	Trainin gs, method demons trations.	Vermicompost,FYM,Seeds,bio-pesticides,bio-fungicides
Biological control	Potato	High incidence of late blight in potato	Use of Trichoderma viridae for management of late blight in potato	NIL	Use of bio agents and bio pesticides for management of insect pests in potato	NIL	Trainin g, Method demons tration	FYM, Vermicompost, potato tuber, Trichoderma viridae

Biological control	Tomat o	Fruit and shoot borer infestation (Helicoverpa armigera)	Use of Beauveria bassiana for management of Helicoverpa armigera in tomato	NIL	Use of bio agents and bio pesticides for management of insect pests in tomato	NIL	Trainin g, Method demons tration	FYM, Trichoderma viridae, Beauveria bassiana, Nimbecidine
Mushroom cultivation	Mushr oom	Farmers income is not sufficient enough to meet their needs	Cultivation of mushroom (Oyster mushroom)	NIL	Low cost production of oyster mushroom	NIL	Trainin g, Method demons tration	Oyster spawn , Nimbecidine , straw
Product performanc e	Ginge r	Occurrence of soft rot in ginger	NIL	Product performance (GF 1) for controlling soft rot of ginger.	Spice production and management of ginger	Nil	Trainin g, Method demons tration	GF 1, FYM
Biological control	Cabba ge	Cabbage butterfly (Pieris brassicae) infestation	NIL	Use of Trichocards (Trichogram ma brassicae) for controlling Cabbage butterfly	Biological control of insect pest in cabbage	NIL	Trainin g, Method demons tration	FYM, Trichoderma viridae, Beauveria bassiana, Nimbecidine

Biological control	Pea	Occurrence of Rhizoctonia rot	NIL	Use of Trichoderma viridae for management of Rhizoctonia rot of pea	Use of bio- pesticides for management of insect pests in pea	NIL	Trainin g, Method demons tration	Seeds, FYM, Trichoderma viridae
Disseminat ion time/ Loss of technologie s	-	Lack of information about the marketing efficiency of various marketing channels in the district	Study on the Marketing efficiency of various marketing channels of cole crops in East Khasi Hills District	-	-	-	PRA, Diagnos tic Visits, Group Discuss ion, Intervie w	-
Impact Assessmen t	-	Lack of information on the extension contacts used by farmer of the district	Study on the level of extension contacts used by the farmers of East Khasi Hills District	-	-	-	PRA, Diagnos tic Visits, Group Discuss ion, Intervie w	-

Dissemina tion time/ Loss of technologi es	-	Lack of information on the best combination of training aids for farmer training	Action Mode Study on the effect of the combination of Extension Training aids on the knowledge gain in training on Production of low volume high value crops in East Khasi Hills		_	-	PRA, Diagnos tic Visits, Group Discuss ion, Intervie w	-
Impact Assessmen t	-	-	-	Impact assessment on cultivation of off season vegetables in east Khasi Hills	-	-	PRA, Diagnos tic Visits, Group Discuss ion, Intervie w	-

Others	-	-	-	Participatory Video Production	-	-	PRA, Diagnos tic Visits, Group Discuss ion, Intervie w	-
Seed Productio n	Fish	Unavailability of fingerlings	Controlled Breeding of common carp		Common carp breeding wild and happa breeding	-	Method Demons tration., Diagnos tic visits, Group Discuss ion	
Seed Productio n	Fish	Unavailability of fingerlings	Induced breeding of carps in FRP hatchery		Carp breeding in eco and FRP hatchery		Method Demons tration., Diagnos tic visits, Group Discuss ion	

Ornament	Fish	Low income of	Ornamental fish		Culture and	Method	
al fisheries		the farmers	Breeding		breeding of	Demons	
					ornamental fishes	tration,	
						Diagnos	
						tic	
						visits,	
						Group	
						Discuss	
						ion	
Pond	Fish	II		Campacita	Commonite finh	M - 41 1	Einendings lines Eard
	FISH	Unmanaged fish		Composite fish culture	Composite fish	Method	Fingerlings, lime, Feed
manageme		ponds		iish culture	culture	Demons tration.,	
nt						Diagnos	
						tic	
						visits,	
						Group	
						Discuss	
						ion	
IFS	Fish	Under fertilized		Fish cum pig	Composite fish	Method	Fingerlings, lime, Feed,
Modules	D.	fish ponds		culture	culture, Pond based	Demons	Piglets, Ducklings
	Pig				integrate farming	tration.,	
					system	Diagnos	
						tic	
						visits,	
						Group	
						Discuss	
						ion	
						1	

IFS	Fish	Under fertilized	Fish cum	Composite fish	Method	Fingerlings, lime, Feed,
Modules		fish ponds	duck culture	culture, Pond based	Demons	Ducklings
	Duck			integrate farming	tration.,	
				system	Diagnos	
					tic	
					visits,	
					Group	
					Discuss	
					ion	

3.1 Achievements on technologies assessed and refined during 2015-16

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	-	1	-	2	-	-	-	-	5
Seed / Plant production	-	-	-	-	1	-	-	-	-	1
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-			-			-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	1	-	-	-	-	1

	1			T	1					1
cultivation										
Drudgery reduction	-	-	-	-		-	-	-	-	
Farm machineries	-	-	-	-		-	-	-	-	
Value addition	-	-	-	-		-	-	-	-	
Integrated Pest	-	-	-	-		-	-	-	-	
Management										
Integrated Disease	-	-	-	-		-	-	-	-	
Management										
Resource	1	-	-	-	-	-	-	-	-	1
conservation										
technology										
Small Scale income		-	-	-	-					
generating										
enterprises										
Biological control	-	-	-	-	2	-	-	-	-	2
of insect pests and										
diseases										
TOTAL	3	-	1	-	6	-	-	-	-	10
		1	1	I	I	1		I	1	l

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

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

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

Small Scale income	-	-	-	-	-	-	-	-	-
generating enterprises									
TOTAL	-	-	-	-	-	-	-	-	-

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	
Nutrition Management	-	-	-	-	-	-	-	
Disease of Management	-	-	-	-	-	-	-	
Value Addition	-	-	-	-	-	-	-	
Production and Management	-	-	-	-	-	-	4	4
Feed and Fodder	-	-	-	-	-	-	-	
Small Scale income generating enterprises	-	-	-	-	-	-	-	
TOTAL	-	-	-	-	-	-	4	4

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

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

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

A.5. Results of On Farm Testing

Sl. No.	Title of OFT	Problem	Name of	Crop/Cropping	No. of	Results of	Feedback	Feedback to	B.C. Ratio
		Diagnosed	Technology	system/	Trials	Assessment/	from the	the	(*e 1* 11.)
			Assessed	Enterprise		Refined (Data on the parameter	farmer	Researcher	(if applicable)
						should be			
						provided)			
1.	Introduction	Non-	Introduction	Babycorn/	4	Yield: 1.2 t/ha	Good yield	Late sowing	3.70
	and scientific	availability	and	Babycorn-		Avg Plant ht:	obtained and	gave good	
	package of practices of	of fresh	scientific package of	Cabbage		155.9 cm	impressed	results in mid	
	babycorn var	babycorn	practices of			133.9 CIII	from the	altitude	
	RCM 1-1,	and locally	babycorn			Average No. of	returns which	whereas in	
	RCM 1-3	processed	var			cobs per plant:	was more than	higher	
		babycorn.	RCM 1-1,			4	he could get	altitude both	
			RCM 1-3			•	from maize	vegetative	

2.	Introduction and scientific package of practices of soybean var. JS-336	Low Cropping intensity and absence of leguminous crop in cropping system.	Introduction and scientific package of practices of soybean var. JS-336	Soybean/ Soybean-Maize	7	Average pod Yield: 2.5 t/ha Average straw yield:9.77	Good yield obtained and impressed from the returns.	and reproductive growth is restricted Duration of crop is more in higher altitude compared to mid altitude.	4.03
3.	Scientific package of practices of Capsicum var. 'California Wonder'	Low income	Production of low volume, high value crops	Capsicum/Mono-cropping	5	Avg. Yield: 16q/ha No. of fruits/ plant: 6 nos. Wt. of 6 fruits: 1.12kg	The variety gives an average yield with minimum two pickings/plant. The incidence of Anthracnose is very less.	The variety does well in East Khasi Hills of Meghalya. Farmers are happy with the performance and it fetches a good price in the market.	2.7
4.	Seed production of Broccoli	Non availability of open pollinated	Seed Production	Broccoli/Mono- cropping	4	Avg. Yield: $0.0018q/100 \text{ m}^2$ $100 \text{ m}^2 = 140$ nos. of plants.	The amount of seeds produced is not	The performance of seed production in Broccoli is	2.9

		seeds				Avg. Yield from one head= 10 gms	satisfactory.	not very good.	
5.	Use of Trichoderma viridae for management of late blight in potato	High incidence of late blight in potato	Use of Trichoderma viridae for management of late blight in potato	Potato	10	Yield (treated)- 7.2 t/ha Gross return- Rs. 144000 Disease incidence- For 10,000 m²- 20-30% For 25m²- 15% Yield (control) – 5/ha Gross return- Rs. 100000 Disease incidence- For 10000m²- 50-60% For 25 m²- 30- 40%	The farmers expressed that the used of <i>Trichoderma</i> viridae is safe and found to be effective, it is eco-friendly, reduce health risks, costs and environmental damage. The farmers are willing to use again for the next coming year.		1.28
6.	Use of Beauveria bassiana for	Fruit and shoot borer infestation	Use of Beauveria bassiana for	Tomato	15	Yield (treated)- 12 t/ha	The used of Beauveria bassiana is		3.4

	management	(Helicoverpa	management			Gross return-	found to be	
	of	armigera)	of			Rs.2,16,000	effective	
	01 Helicoverpa	armigera)	Helicoverpa			KS.2,10,000	against fruit and	
			-			Disease	_	
	armigera in		armigera in			incidence-	shoot borer in	
	tomato		tomato			meraciice	tomato. The	
						For 10,000 m ² -	farmer's feels	
						9.6%	that the use of	
						3.070	bio agents has	
						For 25m ² -7.7 %	reduced the use	
							of chemical	
						Yield (control) -	pesticides and	
						6t/ha	help to produce	
							chemical free	
						Gross return- Rs.	agricultural	
						108000	products which	
							do not pose any	
						Disease	health hazards	
						incidence-	to human being.	
						E 10000 2	The farmers are	
						For 10000m ² -	willing to use	
						21%	again for the	
						For 25 m ²⁻ 11%	next coming	
						FOI 23 III 11%	C	
7	C-1ti-rations C	I	Caltiant	Maralana	20	Yield –	year.	4.04
7.	Cultivation of	Insufficient	Cultivation	Mushroom	20		The farmers	4.04
	mushroom	income of the	of mushroom			1200kg/6months	feel that the	
	(Oyster	farmer	(Oyster			Gross income -	cultivation of	
	mushroom)		mushroom)			300000	oyster	
						300000	mushroom was	
						Net income-	much easier and	
						2,25,840	it is less time	
						2,23,040	consuming.	
							Cultivation of	
							oyster	
							mushroom has	

							increased their income, since it fetches a good price in the market. The farmers are willing to cultivate again and increase their mushroom units.		
8.	Study on the level of extension contacts used by the farmers of East Khasi Hills District	Lack of information on the extension contacts used by farmer of the district	Level of extension contact		3	a. Extent of Extension contact b. Source of Input c. Source of finance d. Level of aspiration	Majority of farmers gets information on types of inputs from the input dealers. KVK are sources for knowledge of new technologies for a majority of farmers	-	-
9.	Study on the Marketing efficiency of various marketing	Lack of information about the marketing efficiency of various	Marketing efficiency of marketing channels	-	3	a. Risk Bearing ability b. Farmers share in	Majority of farmers does not have a say on the price of the product.	-	-

	channels of cole crops in East Khasi Hills District	marketing channels in the district					consumer money c. Adoption d. Socio- personal characteristics e. Income earned from during the previous year	Majority of the farmers sell the produce directly to the wholeseller at the market		
10.	Action Mode Study on the effect of the combination of Extension Training aids on the knowledge gain in training on Production of low volume high value crops in East Khasi Hills	on the best combination of training aids for farmer training	Extension Training aids	-		3	a.Level of knowledge enhanced b. Achievement Motivation	A combination of a number of extension training aids gives more knowledge		
		Enha Evaluat ncin Amur C	ion of Common	Fish/	3	-		-	-	-

	Amur Common carp in rice fish systems	g farm er inco me	carp in rice fish systems	Rice					
12	Breeding of Common carp	Una vaila bilit y of finge rling s	Breeding of Common carp	Fish	3	Avg. Fish Weight (Kg) Latency time (h) Survival (%)	F=4.5 M=4.2 16 hrs	Survivabilit y and production of fingerlings is more with this technology	-40.0
13	Ornamen tal fish breeding	Enha ncin g farm er inco me	breeding of Ornamental fish	Fish	2	Avg. Fish Weight (g) Hormone Dose (ml/Kg body Wt) Survival (%)	F=300 M=280 F=0.2-0.3 M=0.1- 0.2	Farmers are keen to take up this technology provided a proper market is available.	-65.7
14	Induced breeding of carps using Gonopro -FH	Una vaila bilit y of finge rling s	Induced breeding of Silver carp using Gonopro- FH	Fish	3	Avg. Fish Weight (Kg) Hormone Dose (ml/Kg body Wt)	F=4.5 M=4.2 F=0.4-0.5 M=0.1- 0.2	It is a new venture for him, more training and demonstrati on is required	-95.00

		Spawning result	Complete			
		Response time	9-10			
			hours			
		Fertilization (%)	79.00			
		Hatching (%)	65.00			
Induced breeding		Avg. Fish	F = 2.5			-81.0
of Catla using Gonopro-FH		Weight (Kg)	M = 2.0			
		Hormone Dose	F= 0.3-			
		(ml/Kg body	0.4			
		Wt)	M=0.1=0 .2			
		Spawning result	Complete			
		Response time	9-10			
			hours			
		Fertilization (%)	80.00			
		Hatching (%)	65.00			
	of Catla using	of Catla using	Response time Fertilization (%) Hatching (%) Avg. Fish Weight (Kg) Hormone Dose (ml/Kg body Wt) Spawning result Response time Fertilization (%)	Response time $9-10$ hours Fertilization (%) 79.00 Hatching (%) 65.00 Avg. Fish $F = 2.5$ Weight (Kg) $M = 2.0$ Hormone Dose $F = 0.3 - 0.4$ (ml/Kg body $F = 0.3$	Response time	Response time

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

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

3.2 Achievements of Frontline Demonstrations during 2015-16

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

List of technologies demonstrated during previous year and popularized during 2014-15 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horiza	ontal spread of technol	ogy
			No. of villages	No. of farmers	Area in ha
	Maize	Introduction and varietal performance of Maize var. DA 61A	3	35	2.5
	Rice	Resource conservation Technology in rice-based cropping system	3	20	2.5
1	Pea	Use of Trichoderma viridae for management of Rhizoctonia rot of pea	20	1500	5
	Broccoli	Scientific package of practices	7	45	2.5
	Fish	Composite fish culture	4	10	1
	Fish/Pig	Fish cum Pig culture	2	5	0.2
	Fish/Duck	Fish cum Duck culture	1	5	0.1

* 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.**)

S1.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)	No. of farmers/	Reasons for	Farming situation	Status of soil (Kg/ha)
							shortfall in		

No.								monstrati		achieveme nt	(Rainfed/ Irrigated, Soil type, altitude, etc)	N	P	К
					Propose d	Actua 1	SC/S T	Other s	Total					
1.	Maiz e	Varietal evaluation	Introductio n and varietal performanc e of Maize var.DA 61A	May- August 4 months	2.5	2.5	35		35		Rainfe d	451.2	50.5	140.4
	Rice	Climate Resilient Agriculture	Resource conservation Technology in rice-based cropping system	July- November 5month s	2.5	2.5	20		20		Rainfe d	422.6	56.5	166.8
2.	Brocco li	Exotic vegetable production	Scientific package of practices of Broccoli var. 'Solan Green Head'	Rabi 2015	1	1	30	-	30	-	RF Sandy clay loam, Alti 1240- 1300 m	H 560	H 56	M 218. 4
	Gerber a	Nutrient management	Use of organic substrate media for growing gerbera. (leafmould, fym,	Zaid 2015	0.05	0.0	22	-	22	-	RF Sandy clay loam, Alti 1200 m	H 564.1	H 54.88	M 268

		vermicompost)								Н			
Tomat	Varietal evaluation	Scientific package of practices of tomato var. Megha Tomato 3 (MT 3)	Rabi 2015	1	1	20	-	20	-	RF Sandy clay loam, Alti 1240- 1300 m	H 561.2	H 56	76.1 6
Pea	Biological control	Use of Trichoderma viridae for management of Rhizoctonia rot of pea	August, 2015	1	1	10 0		10 0		Rainfe d Sandy loam to clay loam, Alti 1500 m	L 52.4	H 54.88	M 268
Cabb	Biological control	Use of Trichocards (Trichogramm a brassicae) for controlling Cabbage butterfly	June - July,2015	1	1	90		90		Rainfe d Sandy loam to clay loam, Alti 1500 m	H 568.0 3	H 205.1 8	L 98.5 6
Ging er	Product performanc e	Product performanc e (GF 1) for	March, 2015	1	1	45		45		RF Sandy loam to clay	H 575.1	H 213.1	L 85.7

		controlling soft rot of ginger.								loam, Alti 1100- 1200 m	9	0	0
-	Impact	Impact	-	-	-	-	-	-	-	-	=.	-	-
	Assessmen	assessment											
	t	on											
		cultivation											
		of off											
		season											
		vegetables											
		in east											
		Khasi Hills											
-	Others	Participator	-	-	-	-	-	-	-	-	-	-	1
		y video											
		production											

c. Performance of FLD on Crops

	1.		Thematic area	Area (ha.)	_	. yield /ha.)	% incre ase in Avg.	Addi data or yield (than yield	rameters other l, e.g., disease pest incidence	Ec	on. of den	no. (Rs./ha	ı.)	Eco	on. of chec	ek (Rs./Ha.	.)
N		Crop			Dem o.	Check	yield	Н*	L*		etc.	GC**	GR**	NR**	BCR **	GC	GR	NR	BC R
										Demo	Local								

Maize	Varietal evaluatio n	2.5	61.0	32.0	47.54	63.0	59.0			38604. 14	91500	52895. 86	2.37	3602 7	4462 5	8600	1.4
Rice	Clima te Resili ent Agric ulture	2.5	29.8	26.6	10.73	30.0	26.4			32584. 57	76650	44065. 42	2.35	3142	6850	37017	2.1
Broc coli	Exotic vegetabl e producti on	1	40	30	25	41	37	Comparati vely less incidence of pest and diseases	Incidence of Aphidsand Cabbage butterfly	72074. 69	28000	207925	3.8	59643. 37	21000	150356 .63	3.5
Gerb era	Nutrient manage ment	0.05	3500 nos. seed lings + 500 suck ers	2800 nos. seedli ngs + 400 sucker s	20	3800 nos. seedli ngs	3200 nos. seedli ngs	Infestation of cutworms and whiteflies. Presence of viral disease.	Infestation of cutworms, whit eflies. Presence of Powdery Mildew and viral disease.	12380. 77	30500. 00	18199. 23	2.4	13858. 44	24400.	10541. 56	1.7
Tom ato	Varietal evaluati on	1	33.2	28	4.98	34	30	Infestation of Late blight.	Damping off,Infestation of Late blight and Tomato fruit and shoot borer.	32718. 95	99600. 00	66881. 05	3.0	34328. 25	84000. 00	49671. 75	2.4
Pea	Biologica 1 control	1	60	28	53.4	60	26	Yield (treated)- 6t/ha	Yield (control) – 2.8t/ha	7365 0	24000	16635	3.3	5010 4	1120 00	61896	2.2

									Gross return- Rs. 240000 Disease incidence - For 10,000 m²- NIL For 25m²- NIL	Gross return-Rs. 112000 Disease incidence- For 10000m²- 20 % For 25 m²- 16%								
Ca ge	abba	Biologica 1 control	1	220	120	27.27	220	180	Yield (treated)- 22t/ha Gross return- Rs. 4,40,000 Disease incidence - For 10,000 m²- 8.5%	Yield (control) – 12t/ha Gross return-Rs. Disease incidence-For 10000m²-20% For 25 m²-10%	1152 41	4,40,0	32475 8	3.8	1103 85	3000 00	18961	2.7

					For 25m ² -5%									
Ginge	Biologica 1 control	1			Yield (treated)-10 t /ha Gross return-Rs. 200000 Disease incidence - For 10,000 m²-7.5 % For 25m²-5.6 %	Yield (control) 7t /ha Gross return-Rs.140000 Disease incidence- For 10000m²-20 % For 25 m²- 10%	5749 2	20000	14250 8	3.5	5136 6	1400 00	88633	2.7

^{*}H-Highest recorded yield, L- Lowest recorded yield

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.

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

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities	Date	Nun	ber of parti	cipants	Remarks
51.110.	Activity	organised	Date	Gen	SC/ST	Total	
1	Field days	21	28 th July'15, 29 th July'15, 3 rd Aug'15, 19 th Oct'15, 10/9/15, 20/10/15, 10/11/15,20/11/15,17/12/15, 15.06.15,16.06.2015,01.09.2015, 02.09.2015, 12.09.2015, 13.09.2015, 03.11.2015, 04.11.2015		539	529	
2	Farmers Training	39	6 th April '15, 12 th April '15,3 rd May'15, 4 th May'15,12 th Aug'15, 22/5/15, 2/6/15, 21/7/15, 3/8/15, 15/10/15, 16/10/15, 26/11/16, 7/12/15, 28/1/16, 23/2/16, 18/3/16, 1 st , 13 th , 20 th , 27 th April, 2015; 20 th 27 th May, 2015; 25 th , 26 th June, 2015; 21 st , 30 th July, 2015; 3 rd Aug.,2015; 2 nd , 27 th Sept. 2015; 6 th , 27 th Oct. 2015; 18 th Nov. 2015; 8 th Dec. 2015; 14 th Jan.2016; 3 rd Feb.2016; 3 rd March,2016		1093	1093	
3	Media coverage	6	22/6/15, 16/7/15, 24/7/15,30/10/5, 6 th April, 1 st June.,22 nd Sept., 2015; 5 th Oct.,2015,				
4	Training for extension functionaries	2	22 nd March'16, 22/3/16		40	40	
5	Any other (Pl. specify)	7	6 th April '15, 12 th April '15,3 rd May'15, 4 th May'15,12 th Aug'15, 5/12/15, 18/3/16		265	265	
	Total						

Details of FLD on Enterprises (i) Farm Implements e.

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

^{*} Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Sl. No.	Enterpri se/ Categor	Themati c area	Name of	No. of	No. of	No. of animal	Perfor param	njor mance neters /	% change in the paramet	parar	her neters any)	Eco	n. of de	mo. (Rs.	/Ha.)	I	Econ. (Rs.	of chec /Ha.)	ek	Remar ks
	y (e.g., Dairy, Poultry etc.)		Technolo gy	farmer s	unit s	s, poultry birds etc.	Dem 0	Chec k	er	Dem o	Chec k	GC*	GR* *	NR* *	BCR*	G C	G R	N R	BC R	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

** 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.	Categor y, e.g.	Them atic	Name	No.	No . of	No.	Major Perform	eters /	% chan ge in the	Othe paran s (if a	meter	Econ	of de	mo. (R	s./Ha.)		Econ. (Rs./I	of che Ha.)	eck		Rema rks
	Commo n carp,	area	of	of	uni ts	fish/	indicate	ors	para	De mo	Che ck		GC **	GR **	NR **	BCR **	GC	GR	N R	BC R	
	ornamen tal fish etc.		Technol ogy	farm ers		finge rling s	Demo (B:C ratio)	Check (B:C ratio)	mete r	mo	CK								K	K	
1	IMC &		Compos	10	10	Fish	1.5	1.2	125	-			215	315	100	1.5	114	135	21	1.2	
	Exotic Carps	Mana geme nt	ite fish culture			1000							00	00	00		00	00	00		

1.2
1.2
1.2
1.2
-
1.2
1.2

^{**} 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.	Categor y/ Enterpri	Them atic	Name of	No. of	No. of	Major Perform	ters /	% chang e in the	Other paramet any)	ters (if		n. of d /Ha.)	emo.		Econ.	of chec	k (Rs./	/Ha.)	Remark s
	se, e.g., mushro	area	Techn ology	farme rs	units	indicato	rs	param	Demo	Check	G C*	G R*	N R*	B	GC	GR	N R	BC R	
	om, vermico mpost,		ology			Demo	Check	eter			*	*	*	R*			K	K	

apicultu re etc.											*			
Mushro	Cultiv	Low	30	10	Yield			74	30	22	4.0			
om	ation	cost			1200k			16	00	58	4			
	of	produ			g/6mo			0.4	00	40				
	mushr	ction			nths			5						
	oom	of												
		oyster												
		mushr												
		oom												

^{**} 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	No. of farmers	Area (In ha.)	Field observ (Output/ ma		% change in the parameter	Labour reduction (Man	Cost reduction (Rs. per ha. or Rs. per	Remarks
			demonstrated			Demo	Check		days)	unit etc.)	
-	-	-	-	-	•	-	-	-	-	-	-

f. Performance of FLD on Crop Hybrids

		Name of hybrids	Area (ha.)	No. of farmers	Avg. yiel (Q/ha.)	d	% increase in Avg. yield	Additidata or demo. (Q/ha.	n yield	Econ. of	demo. (Rs.	/Ha.)		Econ. of	check (Rs.,	/Ha.)	
Sl. No.	Стор				Demo.	Check		H*	L*	GC**	GR**	NR**	BCR **	GC	GR	NR	BCR
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

^{*}H-Highest recorded yield, L- Lowest recorded yield

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. <u>Farmers and Farm Women</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes training programmes sponsored by external agencies)

(*Sp. On means On Campus

	No. of (Courses/	prog										Part	icipants								
						Ge	neral					S	C/ST					To	tal			
	On-	Spo	Total	M	ale	Fe	male	To	otal	M	ale	Fei	nale	To	tal	M	<mark>ale</mark>	Fer	<mark>nale</mark>	To	tal	
Thematic area	Campu s (1)	n On* (2)	(1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10	Sp. On (d= 9+11	On (4+8)	Sp. On (5+9	On (6+10)	Sp. On (7+11	On (x= a +c)	Sp. On (y= b +d)	Grand Total (x + y)
I. Crop Product	tion																					
Weed																						

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

Management				T		I				1	1	1										
Resource	1	_	1	_	-	-	-	 	-	10	_	12	_	22	_	10	-	12	_	22	_	22
Conservation										10								1-				
Technologies																						
Cropping	1	-	1	-	-	-	-	-	-	9	-	11	-	20	-	9	-	11	-	20	-	20
Systems																						
Crop	4	-	4	_	-	-	-	_		69	-	54	-	123	-	69	-	54	-	12	-	123
Diversification																				3		
Integrated																						
Farming																						
Water	1	-	1	-	-	-	-	-	-	10	-	14	-	24	-	10	-	14	-	24	-	24
management																						
Seed	1	-	1	-	-	-	-	-	-	16	-	16	-	32	-	16	-	16	-	32	-	32
production																						
Nursery																						
management																						
Integrated	1	-	1	-	-	-	-	-	-	10	-	6	-	16	-	10	-	6	-	16	-	16
Crop																						
Management																						
Fodder	1	-	1	-	-	-	-	-	-	5	-	7	-	12	-	5	-	7	-	12	-	12
production																						
Production of	1	-	1	-	-	-	-	-	-	20	-	6	-	26	-	20	-	6	-	26	-	26
organic inputs																						
II. Horticulture																						
a) Vegetable Cı					,					_	1		1	1	1			1	1	1	1	
Production of	1		1							8		19		27		8		19		27		27
low volume																						
and high value																						
crops																						
Off-season																						
vegetables																						
Nursery																						
raising																						

Exotic	2	2				27	20	47	27	20	47	47
vegetables like		_					20	',		20	.,	.,
Broccoli												
Export	1	1				10	16	26	10	16	26	26
potential												
vegetables												
Grading and												
standardization												
Protective												
cultivation												
(Green												
Houses, Shade												
Net etc.)												
b) Fruits	-											
Training and												
Pruning												
Layout and												
Management												
of Orchards												
Cultivation of	1	1				13	15	28	13	15	28	28
Fruit												
Management												
of young												
plants/orchards												
Rejuvenation												
of old orchards												
Export				Ī								
potential fruits										 		
Micro				Ī								
irrigation												
systems of												
orchards												
Plant												

propagation												
techniques												
c) Ornamental	Plants											
Nursery												
Management												
Management												
of potted												
plants												
Export												
potential of												
ornamental												
plants												
Propagation		_						_	_			
techniques of												
Ornamental												
Plants												
d) Plantation cr	ops											
Production and	1	1				44	68	112	44	68	11	112
Management											2	
technology												
Processing and												
value addition												
e) Tuber crops												
Production and												
Management												
technology												
Processing and												
value addition												
f) Spices												
Production and	1	1				14	7	21	14	7	21	21
Management												
technology												
Processing and												

1 111.1			T	1	1	1	1	1	1	_	T	1	1	1	1	1	1	1	1	1	ı	Т
value addition			1																			
g) Medicinal an	d Aroma	tic Pla	nts	1	ı	1	1	1	_		1	ı	1	ı						1	ı	
Nursery																						
management																						
Production and																						
management																						
technology																						
Post harvest																						
technology and																						
value addition																						
III Soil Health	and Ferti	lity Ma	anagem	ent																		
Soil fertility	1	-	1	-	-	-	-	-	-	10	-	10	-	20	-	10	-	10	-	20	-	20
management																						
Soil and Water																						
Conservation																						
Integrated	1	-	1	-	-	-	-	-	-	10	-	14	-	24	-	10	-	14	-	24	-	24
Nutrient																						
Management																						
Production and																						
use of organic																						
inputs																						
Management	1	-	1	-	-	-	-	-	-	5	-	7	-	12	-	5	-	7	-	12	-	12
of Problematic																						
soils																						
Micro nutrient	1	-	1	-	-	-	-	-	-	14	-	11	-	25	-	14	-	11	-	25	-	25
deficiency in																						
crops																						
Nutrient Use																						
Efficiency																						
Soil and Water																						
Testing																						
IV Livestock Pr	roduction	and N	Tanagei	ment	1	1	1	1	1	1	1	1	<u> </u>	I	1	1	1	1	1	1	1	.1
Dairy																						
2	1	1	1	1			1	1		1	1	1	1		1	1	1	1	1	1	1	1

3.6			ı	1								T		
Management														
Poultry														
Management														
Piggery														
Management														
Rabbit														
Management														
Disease														
Management														
Feed														
management														
Production of														
quality animal														
products														
V Home Science	e/Women	empov	vermen	t			ı			J	 J	1		
Household														
food security														
by kitchen														
gardening and														
nutrition														
gardening														
Design and														
development														
of														
low/minimum														
cost diet														
Designing and														
development														
for high														
nutrient														
efficiency diet														
Minimization														
of nutrient loss														
	1					1								

Gender mainstreaming 1 - 1	T				1	1		ı	1						1		ı		1				1
mainstreaming 1 - 1 1 1 1 1 1 1 1 1	in processing																						
through SHGs Storage loss minimization techniques Value addition					-	-	-	-	-	-	10	-	15	-	25	-	10	-	15	-	25	-	25
Storage loss ministration sechniques Value addition funcome generation activities for empowerment of rural Women Location specific drudgery reduction sechnologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices Use of Plastics in farming practices	mainstreaming	1	-	1																			
minimization ecchniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	through SHGs																						
techniques Composition Com	Storage loss																						
Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of minior or irrigation systems Use of Plastics in farming practices	minimization																						
Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of minior or irrigation systems Use of Plastics in farming practices	techniques																						
generation activities for empowerment of for traral Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	Value addition																						
cutivities for empowerment of rural Women Location specific drudgery reduction technologies Rural Crafts Women and child care vitage and the control of the	Income																						
empowerment of rural Women Location Specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	generation																						
of rural Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	activities for																						
Women Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro trirgation systems Use of Plastics in farming practices	empowerment																						
Location specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	of rural																						
specific drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	Women																						
drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro dirrigation systems Use of Plastics in farming practices	Location																						
drudgery reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro dirrigation systems Use of Plastics in farming practices	specific																						
reduction technologies Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro bystems Use of Plastics in farming practices	drudgery																						
Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	reduction																						
Rural Crafts Women and child care VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	technologies																						
child care	Rural Crafts																						
VI Agril. Engineering Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	Women and																						
Installation and maintenance of micro irrigation systems Use of Plastics in farming practices	child care																						
and maintenance of micro irrigation systems Use of Plastics in farming practices		eering									ı	1	l l		ı		l		I	•	ı	ı	·
maintenance of micro irrigation systems Use of Plastics in farming practices	Installation																						
micro irrigation systems Use of Plastics in farming practices	and																						
irrigation systems Use of Plastics in farming practices	maintenance of																						
systems Use of Plastics in farming practices	micro																						
systems Use of Plastics in farming practices	irrigation																						
in farming practices	systems																						
practices	Use of Plastics																						
practices	in farming																						
	practices																						
	Production of																						

		1	1				1	1		1	1	1	1	1	1		1			
small tools and																				
implements																				
Repair and																				
maintenance of																				
farm																				
machinery and																				
implements																				
Small scale																				
processing and																				
value addition																				
Post Harvest																				
Technology																				
VII Plant Prote	ction			ı							ı				ı		ı		I.	
Integrated Pest	1	-	1		-	-	-	-	-	44	-	68	112		44	68		11		112
Management																		2		
Integrated																				
Disease																				
Management																				
Bio-control of										26		81	107		26	81		10		107
pests and	3		3															7		
diseases																				
Production of																				
bio control																				
agents and bio																				
pesticides																				
VIII Fisheries		ı		ı	1			ı	1		1				I		I		I	
Integrated fish	2		2	14		32		46							14	32		46		46
farming																				
Carp breeding	2		2	10		5		15							10	5		15		15
and hatchery																				
management																				
Carp fry and																				
fingerling																				
	1	1	<u> </u>			1				<u> </u>		1			l					

T	1				,				1										ı	1	
1		1	5		10		15									5		10		15	15
of Inputs	at site									•	•	•	•	•	•						
1		1	-	-	-	-	-	-	16	-	16	-	32	-	16	-	16	-	32	-	32
1	_	1																			
		of Inputs at site	of Inputs at site	f Inputs at site	of Inputs at site	f Inputs at site	f Inputs at site	of Inputs at site	of Inputs at site												

		1			1		1						1		1		1	1			1	
Bio-pesticides																						
production																						
Bio-fertilizer																						
production																						
Vermi-																						
compost																						
production																						
Organic																						
manures																						
production																						
Production of																						
fry and																						
fingerlings																						
Production of																						
Bee-colonies																						
and wax sheets																						
Small tools																						
and																						
implements																						
Production of																						
livestock feed																						
and fodder																						
Production of																						
Fish feed																						
X Capacity Buil	lding and	l Group	Dyna:	mics	ı	1		1	1		I	ı	ı	I			ı	1				.1
Leadership				-	-	-	-	-	-	12	-	15	-	27	-	12	-	15	-	27	-	27
development	1	-	1																			
Group																						
dynamics																						
Formation and				-	-	_	-	-	-	9	-	15	-	24	-	9	-	15	-	24	-	24
Management	1	_	1																			
of SHGs																						
Mobilization	2	0	2	-	-	_	-	-	-	25	-	29	-	54	-	25	-	29	-	54	-	54
	1	1		I	1	<u> </u>	ı	ı	1	1	l .	ı	1	l .	ı		1	l .	1	1	ı	

C 1			1		1	ı	l	1	l	l	1	l	l	1	1	l	l	I	T	1	1	1
of social																						
capital																						
Entrepreneuria																						
l development																						
of																						
farmers/youths																						
WTO and IPR	1	0	1	-	-	-	-	-	-	12	-	15	-	27	-	12	-	15	-	27	-	27
issues	1	0	1																			
XI Agro-forestr	y			•	•			•	,		•								•	•		
Production																						
technologies																						
Nursery																						
management																						
Integrated																						
Farming																						
Systems																						
TOTAL																						
3.3.2. Achiever	ments or	1 Trail	ning of	Farn	ners a	nd Fa	arm V	Vomen	in <u>Of</u>	f Can	npus ii	nclud	ing <u>Sp</u>	onsor	ed Off	Camp	us Tra	aining l	Prograi	mmes		
(*Sp. Off mean	ns Off C	ampus	s traini	ing pi	rogran	nmes	spons	sored	by ext	ernal	agenci	ies)										
	No -f	Course	/ 220									n.		. t a								Gran
	INO. OI	Courses	prg.									P	articipan	its								d
						Ge	eneral					S	C/ST					To	tal			Total
Thematic area						30	41															

	No. of	Courses	prg.									P	articipai	ıts								d
Thematic area						Ge	neral					S	C/ST					То	tal			Total
Themauc area	Off	Sp Off*	Total	N	I ale	Fe	male	Te	otal	М	ale	Fe	male	To	otal	М	ale	Fen	nale	To	otal	
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Product	tion																					
Weed																						
Management																						
Resource Conservation	1	-	1	-	-	-	-	-	-	10	-	5	-	15	-	10	-	5	-	15	-	15

Technologies																						
Cropping																						
Systems																						
Crop																						
Diversification																						
Integrated																						
Farming																						
Water	3	_	3	-	-	-	-	-	-	31	-	25	-	56	-	31	-	25	-	56	-	56
management	3		3																			
Seed																						
production																						
Nursery																						
management																						
Integrated																						
Crop																						
Management																						
Fodder																						
production																						
Production of	2		2	-	-	-	-	-	-	16	-	21	-	37	-	16	-	21	-	37	-	37
organic inputs	2	-	2																			
Tillage	1		1	-	-	-	-	-	-	7	-	10	-	17	-	7	-	10	-	17	-	17
Management	1	-	1																			
II. Horticulture	1				I		l	I		1		ı		I	I			l		I		
a) Vegetable Cr	ops																					
Production of																						
low volume																						
and high value																						
crops																						
Off-season																						
vegetables																						

	1				1	1				1			1		
Nursery															
raising															
Exotic															
vegetables like															
Broccoli															
Export															
potential															
vegetables															
Grading and															
standardization															
Protective															
cultivation															
(Green															
Houses, Shade															
Net etc.)															
b) Fruits	<u> </u>			l.									<u> </u>		
,															
Training and	1						9	13	22		9	13		22	22
Pruning															
Layout and															
Management															
of Orchards															
Cultivation of	1						9	13	22		9	13		22	22
Fruit															
Management															
of young															
plants/orchards															
Rejuvenation	1						9	13	22		9	13		22	22
of old orchards												10			
Export															
potential fruits															
Micro															
irrigation															
miganon]]									

	_	1															
systems of																	
orchards																	
Plant																	
propagation																	
techniques																	
c) Ornamental	Plants	1				ı				I		I	I.		ı		
Nursery																	
Management																	
Management																	
of potted																	
plants																	
Export																	
potential of																	
ornamental																	
plants																	
Propagation																	
techniques of																	
Ornamental																	
Plants																	
d) Plantation ci	rops		1	<u> </u>	I	I	<u> </u>	<u> </u>	<u> </u>	I		I.	<u>I</u>		<u>l</u>		
	•																
Production and	1		1						17		6	23	17	6		23	23
Management																	
technology																	
Processing and																	
value addition																	
e) Tuber crops	1																
_																	
Production and	1		1						17		6	23	17	6		23	23
Management																	
technology																	
Processing and																	

value addition																						
f) Spices																						
Production and	1		1							15		9		24		15		9		24		24
Management																						
technology																						
Processing and																						
value addition																						
g) Medicinal an	d Aroma	tic Pla	nts																			
Nursery																						
management																						
Production and																						
management																						
technology																						
Post harvest																						
technology and																						
value addition																						
III Soil Health a	and Ferti	ity Ma	nagem	ent	1	•	1		•				•				•					
Soil fertility	1		1	-	-	-	-	T -	-	22	-	18	-	40	-	22	-	18	-	40	-	40
management	1	-	1																			
Soil and Water																						
Conservation																						
Integrated				-	-	-	-	-	-	35	-	33	-	68	-	35	-	33	-	68	-	68
Nutrient	3	-	3																			
Management																						
Production and																						
use of organic																						
inputs																						
Management																						
of Problematic																						
soils																						

oduction	and M	anagen	nent										
e/Women	empov	wermen	it										
				roduction and Management									

Design and development of low/minimum cost diet		1	1			1					i	1	1		
of low/minimum cost diet	Design and														
low/minimum cost diet Designing and development for high mutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Trucome generation activities for empowerment of rural Women Location specific drudgery reduction reductio															
Cost diet															
Designing and development for high nutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
development for high nutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies	cost diet														
development for high nutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies	Designing and														
for high nutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
nutrient efficiency diet Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
Minimization of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies	efficiency diet														
of nutrient loss in processing Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
In processing Conder Con															
Gender mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
mainstreaming through SHGs Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies	Gender														
through SHGs Image: Control of the contro															
Storage loss minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
minimization techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies Market St. St. St. St. St. St. St. St. St. St															
techniques Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
Value addition Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
Income generation activities for empowerment of rural Women Location specific drudgery reduction technologies															
generation activities for empowerment of rural Women Location specific drudgery reduction technologies	, 4140 400111011														
activities for empowerment of rural Women Location specific drudgery reduction technologies	Income														
activities for empowerment of rural Women Location specific drudgery reduction technologies	generation														
empowerment of rural Women Location specific drudgery reduction technologies															
of rural Women Location specific drudgery reduction technologies															
Women Image: Control of the control of th															
specific drudgery reduction technologies	Women														
drudgery reduction technologies	Location														
drudgery reduction technologies															
reduction technologies															
technologies technologies															

Women and																						
child care																						
VI Agril. Engin	eering																			<u> </u>		
VI rigini, Lingini	icer ing																					
Installation																						
and																						
maintenance of																						
micro																						
irrigation																						
systems																						
Use of Plastics																						
in farming																						
practices																						
Production of																						
small tools and																						
implements																						
Repair and																						
maintenance of																						
farm																						
machinery and																						
implements																						
Small scale																						
processing and																						
value addition																						
Post Harvest																						
Technology																						
VII Plant Prote	ection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	-
		_											1			1	1					
Integrated Pest	2		2							36		17		53		36		17		53		53
Management																						
Integrated	1	-	1	-	-	-	-	-	-	11		19	-	30	-	11	-	19	-	30		30
Disease																						
Management																						

Bio-control of	4	4						15	99	254	155	99	25	254
pests and		7						5	"	254	133		4	234
diseases													-	
Production of														
bio control														
agents and bio														
pesticides														
VIII Fisheries				l		l		1				<u> </u>	J	
VIII I ISHCITOS														
Integrated fish	3	3	40		25		65				40	25	65	65
farming														
Carp breeding	2	2	5		0		5				5	0	5	5
and hatchery														
management														
Carp fry and														
fingerling														
rearing														
Composite fish	5	5	27		19		46				27	19	46	46
culture														
Hatchery														
management														
and culture of														
freshwater														
prawn														
Breeding and														
culture of														
ornamental														
fishes														
Portable														
plastic carp														
hatchery														
Pen culture of														
fish and prawn														

		•													,		
Shrimp																	
farming																	
Edible oyster																	
farming																	
Pearl culture																	
Fish																	
processing and																	
value addition																	
IX Production	of Inputs	at site															
	·	1	1	1	1	1		ı		1	1			•	,	1	
Seed																	
Production																	
Planting																	
material																	
production																	
Bio-agents																	
production																	
Bio-pesticides																	
production																	
Bio-fertilizer																	
production																	
Vermi-																	
compost																	
production																	
Organic																	
manures																	
production																	
Production of																	
fry and																	
fingerlings																	
Production of																	
Bee-colonies																	
	1	l					<u> </u>	l							l .		

1 1 .	I	1		ı			ı	ı	ı	1	1		ı	1	I	1		1	I	1		1
and wax sheets																						
Small tools																						
and																						
implements																						
Production of																						
livestock feed																						
and fodder																						
Production of																						
Fish feed																						
X Capacity Buil	lding and	Group	Dyna	mics		1		•		•		•								•		
Leadership																						
development																						
Group	3	0	3	-	-	-	-	-	-	25	-	26	-	51	-	25	-	26	-	51	-	51
dynamics	3	U	۲																			
Formation and				-	-	-	-	-	-	10	-	12	-	22	-	10	-	12	-	22	-	22
Management	1	0	1																			
of SHGs																						
Mobilization				-	-	-	-	-	-	6	-	14	-	20	-	6	-	14	-	20	-	20
of social	1	0	1																			
capital																						
Entrepreneuria																						
1 development																						
of																						
farmers/youths																						
WTO and IPR	2	0	2	-	-	-	-	-	-	23	-	28	-	51	-	23	-	28	-	51	-	51
issues		Ů	2																			
XI Agro-forestr	y																					
Production																						
technologies																						
Nursery																						
	l	<u> </u>			<u> </u>	1	l	1			l		1	1	1	L		1	1		1	

management											
Integrated Farming Systems											
TOTAL											

(B) RURAL YOUTH

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

	No. of C	Courses	/ Prog					·				Pa	rticipa	nts								Grand
						Ger	neral					S	C/ST					To				Total (x + y)
			Total	M	[ale	Fei	male	To	otal	M	[ale	Fe	male	Total		Male		Female		Total		(A y)
Thematic area	On (1)	Sp On* (2)	(1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8	Sp. On (5+9	On (6+10	Sp. On (7+11	On (x= a +c)	Sp. On (y= b +d)	
Mushroom																						
Production																						
Bee-keeping																						
Crop Diversification	2	-	2	-	-	-	-	-	-	35	-	33	-	70	-	35	-	33	-	70	-	70
Seed production																						
Production of organic inputs	3		3							69		76		145		69		76		14 5		145
Integrated Farming																						
Planting material																						
production																						
Vermi-culture	1	-	1	-	-	-	-	-	-	28	-	52	1	80	1	28	-	52	-	80	-	80
Sericulture																						

cultivation of vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goar rearing Quali farming Piggery Rabbit farming Quali farming Poultry Poultry Poultry Poll Training Qualifarming Piggery Rabbit farming Poultry Poult		1	1 1			1	1					1		
vegetable crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quali farming Piggery Quali farming Piggery Quality animal Piggery Rabbit farming Poultry Production of Quality pro	Protected													
crops Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Quail farming Poultry P														
Commercial fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry Poultry Poultry Poultry Poultry Poultry Poultry Poultroon Omamental	vegetable													
fruit production Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Dairying Quali farming Quali farming Pagery Rabbit farming Rabbit farming Robuston	crops													
production Repair and maintenance of farm machinery and implements Nursery Management of Horiculture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Sheep and goat rearing Quali farming Piggery Rabbit farming Poultry Poultry Poultry Poultry Poultry Poultry Porduction of quality animal products Dairying Sheep and goat rearing Rabbit farming Poultry Poultry Poultry Pool of quality animal production Ornamental	Commercial													
Repair and maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry Production Ornamental	fruit													
maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quali farming Piggery Rabbit farming Poultry Production Ornamental	production													
maintenance of farm machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quali farming Piggery Rabbit farming Poultry Production Ornamental	Repair and													
machinery and implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Quail farming Poultry Poultr	maintenance of													
implements Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	farm													
Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	machinery and													
Nursery Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	implements													
Management of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quait farming Piggery Rabbit farming Poultry Production Ornamental														
of Horticulture crops Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental														
Training and pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	of Horticulture													
pruning of orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	crops													
orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	Training and													
orchards Value addition Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	pruning of													
Production of quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	orchards													
quality animal products Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	Value addition													
products Dairying Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	Production of													
products Dairying Dairying Sheep and goat rearing Quail farming Piggery Rabbit farming Poultry production Ornamental	quality animal													
Sheep and goat rearing Quail farming Piggery Rabbit farming Ornamental	products													
Sheep and goat rearing Quail farming Piggery Rabbit farming Ornamental	Dairying													
rearing Quail farming Duail fa														
Quail farming <														
Piggery Rabbit farming Poultry production Ornamental	Quail farming													
Rabbit farming	Piggery													
Poultry production Ornamental O O O O O O O O O O O O O O O O O O O	Rabbit farming													
production 0	Poultry													
Ornamental	production													
fisheries	Ornamental													
	fisheries													

Para vets																						
Para extension																						
workers																						
Composite fish																						
culture																						
Freshwater																						
prawn culture																						
Shrimp																						
farming																						
Pearl culture																						
Cold water																						
fisheries																						
Fish harvest						1																
and processing																						
technology																						
Fry and																						
fingerling																						
rearing																						
Small scale													_					_				
processing																						
Post Harvest																						
Technology																						
Tailoring and																						
Stitching																						
Rural Crafts/				-	-	-	-	-	-	27	-	31	-	58	-	27	-	31	-	58	-	58
Entrepreneuria																						
1 development	2	_	2																			
of youths/	∠	-	۷.																			
Change																						
Management																						
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)

	No. of C	Courses/	Prog.										rticipai	nts								Grand
							neral						C/ST					To				Total
Thematic area		Sp	Tota	M	ale	Fer	male	To	otal	M	ale	Fei	nale	To	tal	M	ale	Fen	nale	To	tal	
Themate area	Off	Off	l	Of f	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 *	
Mushroom Production																						
Bee-keeping																						
Integrated farming	1		1		15		15		30								15		15		30	30
Seed production	1		1		19		11		30								19		11		30	30
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops	1		1							10		10		20		10		10		20		20
Commercial fruit production																						
Repair and maintenance of farm machinery and																						
implements																						

Nursery						5	15	20	5		15		20		20
Management						3	13	20	3		13		20		20
of Horticulture	1	1													
crops															
Training and															
pruning of															
orchards															
Value addition															
Production of															
quality animal															
products															
Dairying															
Sheep and goat															
rearing															
Quail farming															
Piggery															
Rabbit farming															
Poultry															
production															
Ornamental	1	1	13	17	30					13		17		30	30
fisheries	-	-													
Para vets															
Para extension															
workers															
Composite fish	1	1	14	16	30					14		16		30	30
culture	1	1													
Freshwater															
prawn culture															
Shrimp															
farming															
Pearl culture															
Cold water															
fisheries															

			-	-	-	-	-	-	13	-	15	-	28	-	13	-	15	-	28	-	28
1	-	1																			
	1	1 -	1 - 1																		

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)

	No. of	Courses/	prog									Pa	rticipa	nts								Grand
				Gen	eral					SC/S	T					Total						Total
				M	ale	Fei	male	Total		Male		Fema	le	Total		Male		Female		Total		$(\mathbf{x} + \mathbf{y})$
Thematic area	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9	On (6+10)	Sp. On (7+11	On (x= a +c)	Sp. On (y= b +d)	
Productivity																						
enhancement																						
in field crops																						
Integrated Pest																						
Management																						
Integrated Nutrient																						

<u> </u>	1		1		1		ı			1	1		ı	1	1	
management																
Rejuvenation																
of old orchards																
Protected																
cultivation																
technology																
Formation and																
Management																
of SHGs																
Group																
Dynamics and																
farmers																
organization																
Information																
networking																
among farmers																
Capacity																
building for																
ICT																
application																
Care and																
maintenance of																
farm																
machinery and																
implements																
WTO and IPR																
issues																
Management																
in farm																
animals																
Livestock feed																
and fodder																
production																
1						1	l									

Household																						
food security																						
Women and																						
Child care																						
Climate				-	-	-	-	-	-	10	,	10	,	20	-	10	1	10	-	20	-	20
Resilient	1	-	1																			
Agriculture																						
Production and																						
use of organic																						
inputs																						
Gender																						
mainstreaming																						
through SHGs																						
Kitchen	1		1							15		5		20		15		5		20		20
Garden in rural																						
and urban																						
areas																						
Biopesticides	1		1			_				15		5		20		15		5	_	20		20

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

	No. of C	Courses/	prog.									Pa	rticipaı	nts								Grand Total
				Gene	eral					SC/S	Г					Total						
Thematic area		Sp	Tota	M	[ale	Fer	nale	To	otal	M	ale	Fer	nale	Total		Male		Female	<u>;</u>	Total		
	Off	Off *	l	Of f	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																						
Integrated Pest																						
Management																						
Integrated																						

	1		1 1	1		1							
Nutrient													
management													
Rejuvenation													
of old orchards													
Protected													
cultivation													
technology													
Formation and													
Management													
of SHGs													
Group													
Dynamics and													
farmers													
organization													
Information													
networking													
among farmers													
Capacity													
building for													
ICT													
application													
Care and													
maintenance of													
farm													
machinery and													
implements													
WTO and IPR													
issues													
Management													
in farm													
animals													
Livestock feed													
and fodder													
			l										

production											
Household											
food security											
Women and											
Child care											
Low cost and											
nutrient											1
efficient diet											1
designing											1
Production and											
use of organic											
inputs											1
Gender											
mainstreaming											
through SHGs											
TOTAL											

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	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group		enera ticipa			SC/S	Т	Gr	and T	Fotal
		programme				(Farmer & Farm women/ RY/ EP and NGO Personnel)	M	F	Т	M	F	Т	M	F	Т
Agronomy	Crop diversification	Package of practises of groundnut cultivation	27 th April, 2015	1	KVK Centre	Farmer and Farm Women	-	-	-	15	20	35	15	20	35
	Cropping System	Importance of cereal legume Inter- cropping for increasing cropping intensity, fertility build-up and raising	20 th April, 2015	1	KVK Centre	Farmer and Farm Women	-	-	-	9	11	20	9	11	20

	farmers' income.					L								
Crop diversification	Package of practises	25 th June,	1	KVK	Farmer and Farm	-	-	-	10	6	16	10	6	16
	of upland rice.	2015		Centre	Women									
Integrated nutrient	Nutrient Management	2 nd May,	1	KVK	Farmer and Farm	-	-	-	10	14	24	10	14	24
management		2015		Centre	Women									
Management	Lime application			KVK	Farmer and Farm	-	-	-	10	10	20	10	10	20
of problematic	to amend acidic			Centre	Women									
soils	soil.													
Fodder	Fodder	21 st July,	1	KVK	Farmer and Farm	-	-	-	5	7	12	5	7	12
Production	production	2015		Centre	Women									
Production of	Organic Farming	15 th May,	1	KVK	Farmer and Farm	-	-	-	20	6	26	20	6	26
Organic		2015		Centre	Women									
intputs														
Integrated	Integrated Water	2 nd Sept.,	1	KVK	Farmer and Farm	-	-	-	10	14	24	10	14	24
Water	Management	2015		Centre	Women									
Management														
Crop	Package of	1 st April,	1	KVK	Farmer and Farm	-	-	-	12	8	20	12	8	20
Diversification	practices of	2015		Centre	Women									
	babycorn	41-												
Seed	Seed production	8 th Dec.,	1	KVK	Farmer and Farm	-	-	-	16	16	32	16	16	32
production		2015		Centre	Women									
Crop	Nutritional	6 th Oct.,	1	KVK	Rural youth	-	-	-	30	15	45	30	15	45
diversification	importance of	2015		Centre										
	Quality Protein													
	Maize (QPM)													
Micro nutrient	varieties Micro nutrient	18 th	1	KVK	Farmer and Farm				14	11	25	14	11	25
deficiency in	deficiency	November,	1	Centre	Women	-	-	-	14	11	23	14	11	23
crops	deficiency	2015		Centre	Wollien									
Climate	Resource	16 th May,	1	KVK	Farmer and Farm	+	_	-	10	12	22	10	12	22
Resilient	Conservation	2015	-	Centre	Women				10	1		1.0	1-	
Agriculture	Technology				,,, 0111011									
Crop	Nutritional	4 th March,	1	KVK	Farmer and Farm	-	-	-	12	11	23	12	11	23
Diversification	importance of	2016		Centre	Women									

		Quality Protein Maize (QPM) varieties													
	Production of organic inputs	Vermicomposting	7 th Oct., 2015	1	KVK Centre	Rural youth	-	-	-	20	15	35	20	15	35
	Crop diversificaion	Package of practices of babycorn	8 th Oct., 2015	1	KVK Centre	Rural youth	-	-	-	30	45	75	30	45	75
Horticulture	Exotic Vegetable Production	Exotic Vegetable production like Broccoli	22 nd May '15	-	2 KVK,EKH	Farmer & Farm Women				27	20	47	27	20	47
	Production of low volume,high value crops	Production of low volume, high value crops	22 nd May '15	1	KVK,EKH	Farmer & Farm Women				8	19	27	8	19	27
	Export potential vegetables	Export potential vegetables	22 nd May '15	1	KVK,EKH	Farmer & Farm Women				10	6	16	10	6	16
	Training and Pruning	Training and Pruning	12 th June'15	1	KVK,EKH	Farmer & Farm Women				12	11	23	12	11	23
	Cultivation of fruit crops	Cultivation of fruit crops	12 th June'15	1	KVK,EKH	Farmer & Farm Women				13	15	28	13	15	28
	Production & Management of tuber crops	Production & Management of tuber crops	12 th June'15	1	KVK,EKH	Farmer & Farm Women				44	68	112	44	68	112
	Production & Management of Spices	Production & Management of Spices	3 rd April'15	1	KVK,EKH	Farmer & Farm Women				14	7	21	14	7	21
	Production & Management of plantation crops	Production & Management of plantation crops	17 th Feb'16	1	KVK,EKH	Farmer & Farm Women				44	68	112	44	68	112
	Nutritional gardening	Kitchen Garden in rural and urban areas	22 nd March'16	1	KVK,EKH	Extension Personnel				15	5	20	15	5	20

Plant Protection	Integrated Pest management	Pest management in protected cultivation	23.2.16	1	KVK office	Farmer and farm women	44	68	112	44	68	112
	Biological control	1.Role of bio pesticides in management of Insect pest in vegetables 2. Bio rational management of Insect pest in rice 3. Role of bio pesticides in management of Insect pest 4.Biopesticides and its uses	22.5.15 21.7.15 15.10.15 22.3.16	1	KVK office	Farmer and farm women, Extension personnel	41	86	127	41	86	127
	Production of bio agents	1.On farm production of <i>Trichoderma</i> spp 2. On farm production of <i>Pseudomonas</i> spp 3. On farm production of <i>Trichogramma</i> 4. Cultivation of oyster mushroom	29.7.15, 24.9.15, 16.9.15 30.10.15	1	KVK office	Farmer and farm women, Rural Youth	69	76	145	69	76	145
Fisheries	Ornamental fisheries	Ornamental fish culture and breeding	08-01-16		KVK Centre	Farmer & Farm women	5	10	15	5	10	15
	Seed Production	Breeding of common carp wild and happa breeding	07-03-15		KVK Centre	Farmer & Farm women	10	5	15	10	5	15
	IFS Modules	Pond based	18-11-5		KVK	Farmer & Farm women	18	14	32	18	14	32

		integrated farming system			Centre										
	IFS Modules	Pond based integrated farming system			KVK Centre										
Agril. Extension	Capacity Building and Group Dynamics	Mobilisation of social capital in villages	15 th July 2015, 15 th February 2016	1 day	On Campus	Farmer & Farm Women	-	-	-	25	29	54	25	29	54
	Capacity Building and Group Dynamics	Formation and management of SHGs	13 th November 2015	1 day	On Campus	Farmer & Farm Women	-	-	-	9	15	24	9	15	24
	Capacity Building and Group Dynamics	Change Management	16 th December 2015	1 day	On Campus	Farmer & Farm Women	-	-	-	12	15	27	12	15	27
	Capacity Building and Group Dynamics	Leader ship development in villages	18 th December 2015	1 day	On Campus	Farmer & Farm Women	-	-	-	12	15	27	12	15	27
	Women Empowerment	Gender mainstreaming through SHGs	6 th January 2016	1 day	On Campus	Farmer & Farm Women	-	-	-	10	15	25	10	15	25
	Capacity Building and Group Dynamics	Entrepreneurial development of farmer/ rural youths	18 th August 2015	1 day	On Campus	Rural Youth	-	-	-	15	15	30	15	15	30
	Capacity Building and Group Dynamics	Change Management	16 th October 2015	1 day	On Campus	Rural Youth	-	-	-	12	16	28	12	16	28

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	Date (From –	Duration in days	Venue	Please specify Beneficiary		enera ticipa			SC/ST	Γ	Gra	and T	otal
	g	programme	to)			group (Farmer & Farm women/ RY/ EP and NGO Personnel)	M	F	T	M	F	Т	M	F	T
Agronomy	Integrated Water Management	Jalkund	13 th April, 2015	1	Jaroit	Farmer and farm women	-	-	-	20	10	30	20	10	30
	Water MAnagement	System of Rice Intensification	26 th June, 2015	2	Jaroit	Farmer and farm women	-	-	-	11	15	26	11	15	26
	Climate Resilient Agriculture	Resource Conservation Technology	27 th May, 2015	1	Mawsiatkhnam	Farmer and farm women	-	-	-	10	5	15	10	5	15
	Production of organic inputs	Organic Farming	3 rd February, 2015	1	Myliem	Farmer and farm women	-	-	-	6	11	17	6	11	17
	Production of organic inputs	Vermicomposting	30 th July, 2015	1	Tynring	Farmer and farm women	-	-	-	10	10	20	10	10	20
	Soil fertility Management	Soil fertility Management	13 th April, 2015	1	Jaroit	Farmer and farm women	-	-	-	22	18	40	22	18	40
	Soil fertility Management	Nutrient Management	20 th May, 2015	1	Mawsiatkhnam	Farmer and farm women	-	-	-	6	5	11	6	5	11
	Soil fertility Management	Micro Nutrient Management	3 rd Aug., 2015	1	Tynring	Farmer and farm women	-	-	-	22	18	40	22	18	40
	Integrated Nutrient Management	Nutrient Management in Rice	14 th Jan., 2015	1	Mawsiatkhnam	Farmer and farm women	-	-	-	7	10	17	7	10	17
	Tillage Management	Zero tillage	27 th Oct., 2015	1	Mawsiatkhnam	Farmer and farm women	-	-	-	7	10	17	7	10	17
Horticulture	Training and	Training and	6 th	1	Sohryngkham	Farmer &				9	13	22	9	13	22

	Pruning	Pruning	April'15			Farm Women						
	Cultivation of	Cultivation of	6 th	1	Lyngkhoi	Farmer &	9	13	22	9	13	22
	fruit crops	fruit crops	April'15			Farm Women						
	Orchard	Rejuvenationof	6 th	1	Lyngkhoi	Farmer &	9	13	22	9	13	22
	Management	old orchards	April'15			Farm Women						
	Production	Production	17^{th}	1	Mylliem	Farmer &	17	6	23	17	6	23
	&Management	&Management	Feb,16			Farm Women						
	technology of	technology of										
	tuber crops	tuber crops										
	Production	Production	23th	1	Mawiong	Farmer &	15	19	34	15	19	34
	&Management	&Management	Feb'16			Farm Women						
	technology of	technology of										
	spices	spices										
	Production	Production	23th	1	Mawiong	Farmer &	17	6	23	17	6	23
	&Management	&Management	Feb'16			Farm Women						
	technology of	technology of										
	plantation	plantation crops										
	crops											
Plant	Integrated Pest	1.Integrated pest	3.8.15	1	Lulong and	Farmer and farm	41	48	89	41	48	89
Protection	management	Management of spices and	26.11.15		Mawdieja	women						
		plantation crops										
		2. Integrated pest										
		Management of										
		fruit crops and										
		flowers										
	Integrated	Identification of	16.10.15	1	Mawbeh	Farmer and farm	12	20	32	12	20	32
	Disease	rice diseases and				women						
	management	their management through IDM and										
		IPM										
	Biological	1. organic	25.6.15	1	12th mer,	Farmer and farm	155	99	254	155	99	254
	control	management of rice	7.12.15		Mawpdai, Smit,	women, rural						
		2. biological	28.1.16		Tynring	youth						
		control of insect	18.3.16		Liarkhla							
		pest and diseases in	24.7.15									
		citrus										

		3. Role of bio pesticides and their uses in vegetable										
		crops. 4. Advantages of biopesticides over chemical pesticides 5. organic manage met of tomato										
Fisheries	IFS Modules	Pond based integrated farming system	5-5-15	1	Pynursla	Farmer & Farm women	10	6	16	10	6	
	IFS Modules	Pond based integrated farming system	12-2-16	1	Mawpun	Farmer & Farm women	21	14	16	21	14	
	IFS Modules	Pond based integrated farming system	17-3-16		Pynursla	Farmer & Farm women	9	5	14	9	5	
	Carp breeding and hatchery management	Breeding of carps in Chinese eco hatchery	2-6-15	1	Shella	Farmer & Farm women	5	0	5	5	0	
	Pond management	Composite fish culture in hills	8-7-15	1	Pynursla	Farmer & Farm women	5	0	5	5	0	
	Pond management	Composite fish culture in hills	8-8-15	1	Shella	Farmer & Farm women	10	5	15	10	5	
		Introduction to fish culture	3-9-15	1	MAMETI	Rural Youth	15	15	30	15	15	
	Pond management	Composite fish culture	3-9-15	1	MAMETI	Rural Youth	19	11	30	19	11	
	IFS Modules	Pond based integrated farming system	10-9-15	1	MAMETI	Rural Youth	13	17	30	13	17	
	Carp breeding and hatchery management	Broodstock management and breeding of commonly cultivable fish	10-9-15	1	MAMETI	Rural Youth	14	16	30	14	16	

		species													
Agril. Extension	Capacity Building and Group Dynamics	Managing Group Dynamics	22 nd June 2016	1 day	Jaroit	Farmer & Farm Women	-	-	-	7	8	15	7	8	15
	Capacity Building and Group Dynamics	Resource Mobilisation in villages	14 th September 2015	1 day	Mawlynggad	Farmer & Farm Women	-	-	-	6	14	20	6	14	20
	Capacity Building and Group Dynamics	Group Formation	16 th September 2015	1 day	Tynring	Farmer & Farm Women	-	-	-	8	8	16	8	8	16
	Capacity Building and Group Dynamics	Formation and management of SHGs	14 th December 2015	1 day	12 th Mile	Farmer & Farm Women	-	-	-	10	12	22	10	12	22
	Capacity Building and Group Dynamics	Change Management	17 th February 2016	1 day	Mawsynram	Farmer & Farm Women	-	-	-	15	19	34	15	19	34
	Capacity Building and Group Dynamics	Change Management	8 th April 2015	1 day	Jaroit	Farmer & Farm Women	-	-	-	8	9	15	8	9	15
	Capacity Building and Group Dynamics	Group Formation	22 th May 2015	1 day	Mawryngkneng	Farmer & Farm Women	-	-	-	10	10	20	10	10	20
	Capacity Building	ICTs in Agriculture	14 th January 2016	1 day	Mawiong	Rural Youth	-	-	-	13	15	28	13	15	28

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duratio n (days	Area of training	Training title*	•	Genera	ıl		Partic SC/ST	ipants		Total			training in ent after tr		'Self	Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					М	F	Т	M	F	Т	М	F	T	Type of enterpr ise venture d into	Numbe r of units	Num ber of perso ns empl oyed	Avg. Annual income in Rs. generated through the enterprise	

^{*}training title should specify the major technology /skill transferred

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

										No. of	Partic	cipants					Amount
On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From- To)	Duration (days)	Discipline	Area of training	Title	(Genera	ıl		SC/ST	•		Total		Sponsoring Agency	of fund received (Rs.)
							M	F	Т	M	F	Т	M	F	Т		
Total																	

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2015-16

		Topic	Date and duration							Pa	articipa	ants				
	Extensio n Activity			No. of activitie		ener (1)			SC/ST (2)		(xtensio Official (3)			rand To (1+2)	
					M	F	T	M	F	T	M	F	T	M	F	T
	Advisory services	Preparation of nursery bed, Nursery raising of vegetables, Transplanting of vegetables, propagation of ornamentals, Seed Production, Biological control of insect pest and diseases in vegetable and fruit crops	7 th April'15, 21 st April'15, 10 th May'15, 19 th May'15,15 th June'15, 21 st June'15, 5 th Jan'16,29 th Jan'16, 1 st Feb'16, 25/6/15, 1/7/15, 28/8/15, 9/9/15,15/9/15, 24/9/15, 20/10/15,12/11/15,17/11/15,23/3/16	30				920	108	208	10 0	10 0	20 0	102 0	118 0	2280
	Diagnost ic visit	Bacterial blight in tomato, Powdery mildew in Gerbera, Cabbage butterfly in Broccoli, Anthracnose in Capsicum	8 th April'15, 22 nd April'15, 4 th May'15, 17 th May'15,14 th June'15, 24 th June'15, 8 th July'15,11 th July'15, 25/3/15,30/4/15,12/5/15,13/5/15,22/5/15, 25/5/15,31/7/15,11/8/15,19/8/15,4/9/1 5, 25/5/15,31/7/15,11/8/15,19/8/15,4/9/1 5, 11/9/15,20/10/15,5/11/15,17/11/15,9/1 2/15, 22/1/16, 19/2/16, 8/3/16, 18/3/16, 22/5, 23/8, 8.4.15, 17.4.5,5.5.15,3.6.15,5.6.15,16.6.15, 17.6.15, 8.7.15, 15.7.15, 30.7.15, 8.8.15, 15.8.15, 30.8.15, 8.9.15, 22.9.15, 24.9.15, 2.10.15, 16.10.15, 28.10.15, 30.10.15, 13.11.15, 27.11.15, 2.12.15, 7.12.15, 10.12.15, 4.1.16, 6.1.16, 19.2.16, 22.2.16, 13.3.16, 28.3.16, 20 th , 13 th April, 2015; 25 th , 26 th , 28 th , May, 2015; 15 th 30 th June, 2015; 21 st 30 th July, 2015; 3 rd Aug., 2015; 3 rd Sept., 2015; 6 th 15 th Oct., 2015; 7 th Dec., 2015	78				268	291	559	10	20	30	278	311	589
3.	Field day	Scientific package of	28 th July'15, 29 th July'15, 3 rd Aug'15,	18			<u> </u>	136	196	332	_	20	20	136	216	332

		practices of broccoli, Scientific package of practices of capsicum, Scientific package of	20/10/15,10/11/15,20/11/15,17/12/15, 10/9/15, 20 th 21 st July, 2015; 1 st 9 th Oct., 2015; 16 th 19 th 20 th November,											
		practices of tomato, Use of organic media substrate for growing gerbera., Mushroom, tomato, cabbage, pea, potato	2015, 8 th May 2015, 17 May 2015.											
4.	Group Discussi on	Preparation of nursery bed, line sowing in nursery bed, field preparation for transplanting vegetables, citrus decline, Training and pruning of fruit trees. Kitchen Garden. Organic farming	May'15, 19 th May'15,15 th June'15, 21 st June'15, 8 th July'15,11 th July'15,3 rd Aug'15,5 th Jan'16,29 th Jan'16, 1 st Feb'16., 25/4/15,22/5/15,11/6/15,22/6/15,24/6/ 15,	90		387	475	862	30	40	70	417	515	932
5.	Kishan Gosthi		the											
	Kishan Mela		16 th July '15,23 rd Feb'16	2		130	170	300	20	40	60	150	210	360
6.	Film show	Khasi Documentary on soil testing, Seeds of Hope, Construction and environment control of greenhouses, Honey Production for additional employment and income generation, Production of Quality Vegetable Seedlings.	7 th April'15, 21 st April'15, 10 th May'15, 19 th May'15,15 th June'15, 31/3/13, 26/6/15, 7/12/15, 17.3.16, 12 th May, 2015; 10 th Dec., 2015	8		258	195	453	-	50	50	258	245	503
7.	SHG formatio n													

8.	Exhibitio		16 th July'15,28 th -30 th Jan'16,23 rd	4300		200	250	450						450
	n		Feb'16,15 th -16 th March'16,											
9.	Scientist s visit to farmers fields		8 th April'15, 22 nd April'15, 4 th May'15, 17 th May'15, 14 th June'15, 24 th June'15, 8 th July'15, 11 th July'15, 25/4/15, 30/4/15, 12/5/15, 13/5/15, 22/5/15, 25/5/15, 11/6/15, 22/6/15, 7/7/15, 10/7/15, 4/8/15, 5/8/15, 11/8/15, 28/8/15, 4/9/15, 9/9/15, 11/9/15, 15/9/15, 13/10/15, 20/10/15, 5/11/15,12/11/15,17/11/15, 9/12/15,15/12/15, 22/1/16, 19/2/16, 8.4.15, 17.4.5, 5.5.15, 3.6.15, 5.6.15, 16.6.15, 17.6.15, 8.7.15, 15.7.15, 30.7.15, 8.8.15, 15.8.15, 30.8.15, 8.9.15, 22.9.15, 24.9.15, 2.10.15, 16.10.15, 28.10.15, 30.10.15, 13.11.15, 27.11.15, 2.12.15, 7.12.15, 10.12.15, 4.1.16, 6.1.16, 19.2.16, 22.2.16, 13.3.16, 13 th 20 th April,2015; 13 th 25 th 26 th 28 th May2015; 15 th June, 2015; 21 st July, 2015 6 th Oct., 2015; 20 th Nov.,2015 7 th Dec.,2015; 14 th Jan., 2016; 22 nd Feb., 2016	118		363	407	770	10	20	30	373	427	800
10.	Plant/ Animal Health camp													
11.	Farm science club													
12.	Ex- trainee Sammela n													
13.	Farmers seminar/ worksho p	Usage of Agro textiles in protected cultivation and capacity building of the farmers, North east as an organic hub, post harvest handling and marketing of spice	4/11/15, 27/11/15, 15/3/16,	3		160	230	390	60	65	125	220	295	515
14.	Method		6 th April '15, 12 th April '15,3 rd	53		251	392	643	10	30	40	261	422	683

da	vagatable Nu	May'15, 4 th May'15,12 th Aug'15,	I		ı ı		1	
demonstr	vegetable, Nursery							
ation	raising in pro-trays, Line	25/3/15, 12/5/15, 13/5/15, 22/5/15, 26/6/15, 21/7/15, 4/9/15, 5/9/15						
	sowing of vegetables, protective cultivation of	26/6/15, 31/7/15, 4/8/15, 5/8/15, 11/8/15, 12/8/15,						
	gerbera, Kitchen Garden, seed production, Seed	28/8/15,9/9/15,15/9/15,24/9/15, 20/10/15,12/11/15,17/11/15, 15/12/15,						
	treatment and soil	20/10/13,12/11/13,17/11/13, 13/12/13, 19/2/16, 11/5, 15/7, 21/8, 28/9,						
	drenching with	17.4.15, 18.4.15, 5.5.15, 5.6.15,						
	Tichoderma viridae for	16.6.15, 30.7.15, 20.11.15, 22.2.16,						
	cabbage and pea, Use of	23.3.16, 25 th 26 th 28 th May., 2015; 20 th						
	Trichocards	23.5.16, 25 26 26 May., 2015, 20 23 rd June, 2015; 3 rd Aug., 2015						
	Trichogramma brassicae	25 Julie, 2015, 5 Aug., 2015						
	for cabbage, use of							
	Trichoderma viridae for							
	pea, use of bio organic							
	GF 1 for ginger,							
	Beauveria bassiana, and							
	Trichoderma viridae,							
	Seed treatment and							
	seedling root treatment							
	management with							
	Trichoderma viridae,							
	Use of Trichocards							
	Trichogramma brassicae							
	for cabbage, Mass							
	production of							
	Trichoderma spp, use of							
	Trichogramma brassicae							
	for management of							
	cabbage butter fly, use of							
	Beauveria bassiana for							
	management of fruit and							
	shoot bore in tomato, Use							
	of trichocard							
	Trichogramma brassicae							
	for cabbage, use of							
	Trichoderma viridae for							
	pea, cultivation of oyster							
	mushroom, soil							
	drenching of							
	Trichoderma viridae and							
	use of yellow sticky trap							
	on gerbera flowers, on							

		farm production of		1	1						I					
		farm production of Trichoderma viridae,														
		cultivation of oyster														
		mushroom, use of baffle														
		traps, Trichocards, seed														
		treatment of pea with														
		T.viridae, seed treatment														
		of pea with T.viridae,														
		Tuber treatment with														
		T.viridae, Breeding of														
		common carp,														
		Importance of liming and														
		fertilization in fish														
		ponds, Importance of														
		supplementary feeding														
		for fishes, Breeding of														
		carps in FRP hatchery,														
		Methods of harvesting														
		cultivable fishes from the														
		pond														
			oth —	1	<u> </u>											
15.	Celebrati	Soil health day "Soils a	5 th Dec'15	1				100	100	200	50	60	10	100	100	200
	on of	solid Ground for Life"											0			
	importan															
	t days			1	<u> </u>											
16.	Exposure			1	-	-	-	1	-	1	-	-	-	1	-	1
	visits				<u> </u>											
17.	Electroni															
	c media															
	(CD/DV															
	D)			ļ	<u> </u>											
18.	Extensio	Scientific Package of		4												
	n	practices of Tomato														
	literature	Ka rukom Rep ia u Tit														
		Oyster														
		KI biopesticides /bio														
		agents bad ka rukom														
		pyndonkam														
		Biofertilizers lane ki														
		phngit jingim ba														
		pynsboh ia la khyndew														
		Ka Kalandar Ri														

		Dohkha (Fish farming calendar)												
19.	Newspap er coverage	Kisan Mela, Awareness programme, Soil health campaign	22 nd June'15, 16 th July,15,29 th July'16,30 th Oct'16	4										
20.	Popular articles													
21.	Radio talk	Composite fish culture	10.2.16	1										
22.	TV talk	Kitchen Garden, Nursery raising of Vegetables, Importance of Integrated Farming System	22 nd April'15, 16.7.15	3										
23.	Training manual													
24.	Soil health camp		18 th March'16	1		40	60	100				40	60	100
25.	Awarene ss camp	Soil Health Card	18 th March'16	1		40	60	100				40	60	100
26.	Lecture delivered as resource person	Organic Farming, Cultivation of fruit crops, Rejuvenation of citrus orchard, Biocontrol of pest and diseases, use of Trichoderma viridae for management of diseases in tomato and ginger, Biological control of insect pests and diseases in citrus, Use of bio agents and bio pesticides in management of insect pest and diseases in vegetables , Use of bio agents and bio pesticides in management of insect pest and diseases in vegetables , use of bio agents and bio pesticides in management of insect pest and diseases in vegetables , use and benefits of bio pesticides and bio agents,	11/6/15, 22/6/15, 24/6/15, 25/6/15, 1/7/15, 6/7/15, 24/7/15, 29/7/15, 4/8/15, 18/8/15, 16/9/15, 24/9/15, 21/10/15, 30/10/15, 10.4.15, 24.4.15, 26.5.15 24.7.15, 24.8.15, 10.9.15, 15.9.15, 2.11.15	42		744	822	156	40	23	63	784	845	1629

				1	1				ı — — —					1		
		Application method and														
		Uses of Trichoderma														
		viridae, Organic														
		management of tomato														
		and ginger, Organic														
		management of tomato,														
		On farm production of														
		Trichogramma sp., use of														
		Trichogramma brassicae														
		for management of														
		cabbage butterfly,														
		Biological control of														
		insect pests and diseases														
		in tomato, Application														
		method and uses of														
		Trichoderma viridae, On														
		farm multiplication of														
		Pseudomonas sp,														
		Organic management of														
		insect pest and diseases														
		in rice, Role of bio														
		pesticides for														
		management of insect														
		pests,														
27.	PRA	Marketing efficiency of	12/4, 13/5, 21/6, 7/8,	5				80	120	200				80	120	200
		various marketing														
		channels, Extension														
		contacts used by the														
		farmers														
28.	Farmer-	Preparation of nursery	7 th April'15, 21 st April'15, 10 th	110				316	338	654	30	80	110	346	418	764
	Scientist	bed, line sowing in														
	interactio	nursery bed, field	21 st June'15, 8 th July'15,11 th													
	n	preparation for	July'15,3 rd Aug'15,5 th Jan'16,29 th													
		transplanting vegetables,	Jan'16, 1st Feb'16. 31/7/15, 4/8/15,													
		citrus decline, Training														
		and pruning of fruit trees.	28/8/15,9/9/15,15/9/15,24/9/15,													
		Kitchen Garden. Organic	20/10/15,12/11/15,17/11/15, 25/6/15,													
		farming	1/7/15, 6/7/15, 24/7/15, 29/7/15,													
			4/8/15, 18/8/15, 16/9/15, 24/9/15,													
			21/10/15, 30/10/15,													
29.	Soil test		7 7	4	-	-	-	120	142	262	-	-	_	120	142	262
	campaig							-		1					_	
	n															
L														•		

30.	Mahila Mandal Convene r meet														
31.	Any other (Please specify)														
Grand Total			579	-	-	-	450 8	532 3	983 1	360	548	908	486 8	587 3	1073 9

3.5 Production and supply of Technological products during 2015-16

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number	of recipient/ b	eneficiaries
					General	SC/ST	Total
CEREALS							
OILSEEDS							
PULSES							
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)	Potato	Kufri Jjyoti, K. Megha & K. Girdhari	2 tons	40000.00		6	6

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

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries				
				General	SC/ST	Total		
1	CEREALS	-	-	-	-	-		
2	OILSEEDS	-	-	-	-	-		
3	PULSES	-	ı	-	-	-		

4	VEGETABLES	-	-	-	-	-
5	FLOWER CROPS	-	-	-	-	-
6	Potato	Kufri Jjyoti, K. Megha & K. Girdhari	40000.00	-	6	6
		TOTAL	40000.00		6	6

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of	recipient ben	eficiaries
					General	SC/ST	Total
Fruits	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-
Ornamental Plants	Gerbera	Jaffana, Cantida, Leiki, Shania, Eiko, P. Intezz ,RCHG series	0.05	2500		2	2
VEGETABLES	Tomato	Megha Tomato 3	0.1	3000.00		4	4
	Broccoli	Solan Green Head	0.05	1500.00		2	2
	King Chilli	Kashi Anmol	0.02	600.00		2	2
	Capsicum	California Wonder	0.06	1800.00		3	3
Forest Spp.	-	-	-	-	-	-	-
Plantation crops	-	-	-	-	-	-	-
Medicinal plants							
OTHERS (Pl. Specify)	-	-	0.28	9400		13	13

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

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Num	aries	
				General	SC/ST	Total
1	Fruits	-	-	-	-	-
2	Spices	-	-	-	-	-
3	Ornamental Plants	0.05	2500		2	2

4	VEGETABLES	0.23	6900.00		11	11
5	Forest Spp.	-	-	-	•	-
6	Medicinal plants	-	-	-	-	-
7	Plantation crops	-	-	-	-	-
8	OTHERS (Specify)	-	-	-	-	-
TOTAL		0.28	9400		13	13

C. Production of Bio-Products during 2015-16

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

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

Sl. No.	Product Name	English	Qua	ntity Value (Rs.)			f Recipient ciaries	Total number of
SI. No.	Froduct Name	Species	Nos	(kg)	value (Rs.)	General	SC/ST	Recipient beneficiaries
								Deficilciaries
1	BIOAGENTS	-	-	-	-	-	-	-
2	BIO	-	-	-	-	-	-	-
2	FERTILIZERS							
3	BIO PESTICIDE	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-

D. Production of livestock during 2015-16

Sl. No.	Type of livestock	Breed	Quan	Quantity		Numl	ber of Reci	pient
			(Nos)	Kgs		b	eneficiaries	S
						General	SC/ST	Total
	Cattle/ Dairy							
	Goat							
	Piggery							
	Poultry							
	Fisheries							
	Others (Specify)							

D1. SUMMARY of production of livestock during 2015-16

Sl. No.	Livestock category	Breed	Qua	ntity	Value (Rs.)		f Recipient ciaries	Total number of Recipient
			Nos	(kg)		General	SC/ST	beneficiaries
1	CATTLE	-	-	-	-	-	-	-
2	SHEEP & GOAT	-	-	-	-	-	-	-
3	POULTRY	-	-	-	-	-	-	-
4.	PIGGERY	-	-	-	-	-	-	-
5	FISHERIES	Cyprinus carpio	100000	1000	100000		40	40
6	OTHERS (Pl.					-	-	
6	specify)	-	-	-	-			-
	TOTAL		100000	1000	100000		40	40

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

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

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers	-	-	-
Training manuals	-	-	-
Technical Report	-	-	-
Book/ Book Chapter	-	-	-
Popular articles		-	-
Technical bulletins	-	-	-
Extension bulletins	-	-	-
Newsletter	2	Programme Co ordinator, KVK, East Khasi Hills District	1000
Conference/ workshop	-	-	-
proceedings			
Leaflets/folders	U Sohsaw	Smti. I. Kharkongor Programme	3000
		Coordinator, A. Lyngdoh SMS	
		(Horticulture), Smti. B. Chyne SMS(Plant	
	Ka rukom Rep ia u Tit Oyster	Protection)	
		B. Chyne, SMS (Plant Protection), Smt. I.	
	KI biopesticides /bio agents bad ka rukom pyndonkam	Kharkongor (Programme Co ordinator),	
		Dr. Dipali Majumder Associate Professor,	
	Biofertilizers lane ki phngit jingim ba pynsboh ia la khyndew	J. Tariang SRF	
		B. Chyne, SMS (Plant Protection), Smt. I.	
	Kak Kalandar Ri Dohkha	Kharkongor (Programme Co ordinator)	
	(Fish Farming Calendar)	Shanmebansan Marbaniang,, SMS Agril.	
		Extension	
		Baiaishahlang Syiemlieh, Farm Manager	
		Shri. Samborlang Malngiang	

e-publications	-	-	-
Any other (Pl. specify)	-	-	-
TOTAL	-	-	4000

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

(C) Details of Electronic Media Produced

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

- 1.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)
 Success Stories of KVK East Khasi Hills, Meghalaya.
 - a. Production of off-season exotic vegetable.

Introduction

Lumwahkrem is a village in Cherrapunjee which is situated at 25.220163 latitude and 91.667160 longitude with GPS coordinates of 25° 13' 12.5868" N and 91° 40' 1.776" E respectively. It is a place which receives annual rainfall of 11,777mm. The monsoon season starts from May end to October. This prolonged monsoon period confines the growing season of the village to the months of November to April. This peculiarity makes it possible for the farmers to produce off-season vegetables which fetches a handsome price in the market. To add to this, the village of Lumwahkrem produces vegetables which are grown organically. Their produce are devoid of any chemical fertilizers and pesticides. This special feature of their produce has made them popular among the residents of Cherrapunjee and Meghalaya as a whole. The office of the KVK, East Khasi Hills conducted PRA in the village to learn of the cropping pattern, problems faced by the farmers and knowledge of exotic vegetables. Upon studying the village and their agricultural practices, the KVK, EKH made an effort to introduce Broccoli in the village.

KVK Intervention:

- 1. The office of the KVK, East Khasi Hills wanted to create awareness of exotic vegetables to the farmers of Lumwahkrem village. Therefore, inorder to add to the income of the farmers and to introduce them to exotic vegetables, the KVK in the year 2014-15 Introduced Broccoli variety Solan Green Head as an On Farm Trial in the area.
- 2. Training on Package of practices of Broccoli was given to the farmers. Demonstration on nursery raising of broccoli was also done.

3. A few number of farmers showed interest in growing the vegetable and Shri. Kynpham Rapthap took the initiative to sow the broccoli seeds in his nursery and provide the seedlings raised to his fellow farmer friends.

Impact of intervention:

Prior to the intervention taken by the office of the KVK, EKH, the farmers of Lumwahkrem were not aware of the exotic vegetables especially Broccoli. They had no knowledge of the health benefits of Broccoli and its nutritional content. The vegetables that they grew mainly consisted of Tomato, Lettuce, Mustard leaves, Carrots, Peas, Frenchbean, cauliflower, cabbage, chillies, raddish, beetroot etc. As their produce are organic, they got a good price in the market. However with the introduction of broccoli, which grew very well in their village, they were able to increase their income. At the time Broccoli was a new exotic vegetable and it fetched a slightly higher price in the market compared to the other vegetables. As the farmers of Laitkynsew grew organic broccoli, they were able to sell their produce at a price of Rs. 80/kg and the Broccoli leaves sold at a price of Rs. 30/ bunch.



Conclusion:

As a result of the good production of Broccoli in the village in the initial stages, the farmers have started growing broccoli regularly. The office of the KVK, EKH was able to conduct Frontline demonstration of Broccoli in 2015-16. The number of farmers growing broccoli have grown from the initial 10 numbers to almost all the farmers residing in Lumwahkrem village. The most recent harvest of Broccoli was done in February 2016 by Shri. Kynpham Rapthap wherein he harvested 60 kgs and sold at a price of 80/kg.

Crop	Area(ha)	Production (kg)	Gross expenditure (Rs.)	Gross income (Rs.)	Net Income (Rs.)	B:C Ratio
Broccoli	1	5000	111916.00	400000.00	288084.00	3.5

b. Low cost mushroom production unit for producing Oyster mushroom

Introduction

Laitdiengsai Village is located at the north-eastern part of East Khasi Hills district under Mawkynrew Block predominantly a hilly area. It lies approximately between 21.7679° N Lat. and 78.8718° E Long. The climate of the area is temperate which permit cultivation of large varieties of horticulture crops including fruits, vegetables, flowers, spices, mushrooms and medicinal plants. The important vegetables grown include cabbage, cauliflower, garden pea, radish and potato. The temperature varies from 1.7 °C to 24 °C which favors the possibility of round year cultivation of oyster mushroom.

KVK intervention

Krishi Vigyan Kendra, East Khasi hills intervened and demonstrated the low cost production of oyster mushroom during 2014-15. The centre also supported the farmer by supplying him oyster spawns. Supports in terms of training on package of practices of Oyster mushroom was given in the village, and since the farmer was keen to start up with the new variety of mushroom, spawns were provided to him from the KVK centre. The intervention of KVK East Khasi Hills has inspired him and he has already set up a small unit for Oyster mushroom production. The KVK scientists are constantly monitoring the activities and are also providing him technical guidance to keep pests and diseases under control.

Impact of intervention

Before the intervention, Mr. Sworen Massar had been practising the traditional farm activities like crop cultivation, animal rearing and cultivation of button mushroom. However, the income from his activities was not sufficient enough to meet the needs. The introduction of oyster mushroom has increase the income of the farmer with a net income of Rs. 2, 25,840 and BC ratio of 4.04. The profit that the farmer gained from the production unit encourages him to have a wider thought of expanding his activity. Even other farmers of the village are impressed from the work that he has been doing and have come forward to express their interest to take up cultivation of oyster mushroom as one of their farm activity.

Conclusion

The farmer express that his income has been increase since oyster mushroom is very feasible in the area, it is economically viable and gives fast return and the farmer could maximize the production of mushroom through the optimum utilisation of space in his farm. He also mentioned the time taken for cultivation is very less and also the cultivation practices is very simple and can be easily follow and manage by him. Thus, mushroom cultivation could also be a source of income generation and self employment for the unemployed youth as well as farm women in the area.

Crop	Area	Yield kg/month	Mushroom sold	Gross	Gross Return	Net return	BC Ratio
				expenditure	(Rs.)		
Mushroom	200 m ²	200 kg/month (1200kg/6 month)	Oyster mushroom (Rs @250/kg)	74160.00	300,000	225840.00	4.04







Mushroom bed after the polythene sheet has been removed



Oyster mushroom ready to be harvested

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

-Nil-

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology

development (in detail with suitable photographs)

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	Structured	Questionnaires,	Personal
	Rural Youth	Interview,	Scientist Farmers	Interaction,
Ī	Extension personnel	PRA techn	iques,	

3.11 Field activities

i. Number of villages adopted: 15

ii. No. of farm families selected: 225

iii. No. of survey/PRA conducted:5

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Mridaparikshak Mini Soil Testing Lab newly established

1. Year of establishment : 2015

2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Mridaparikshak Mini Soil Test kit	1	75000
2	Refill of	2	42545
3	Miscellaneous	1	7475
Total		4	125000.00

3. Details of samples analyzed so far

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	400	650	8	-
Water Samples	-	-	-	-
Plant Samples	-	-	-	-
Petiole Samples	-	-	-	-
Total	400	650	8	-

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

Message	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
type	No. of Message	No. of Ben eficiary	No. of Message	No. of Benef iciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benefi ciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benefi ciary
Text only	30	2000	-	-	-	-	4	400	5	30	-	-	39	2430
Voice only	10	10	-	-	-	-	-	-	5	30	-	-	15	40
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	40	2010	-	-	-	-	4	400	10	60	-	-	54	2470

3.14 Contingency planning for 2015-16

a. Crop based Contingency planning

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

-	Distribution of seeds and planting materials	-	-	-	-
-	Any other (Please specify)	-	-	-	-

a. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of b	eneficiaries p be covered	proposed to
	distributed				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)
Use of <i>Trichogramma brassicae</i> for management of cabbage butterfly (<i>Pieris brassicae</i>)	90	80%	Rs.324758	Rs.209614

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
AROH foundation	Trainings and Method demonstration.
World Vision	Trainings and Method demonstration.
SASMIRA	Distribution of agro textile kits, Demonstration unit, Farmers workshop etc.
ICAR Research Complex for NEH Region, Umiam	Providing good planting materials for farmers
Central Potato Research Institute, Shimla	Collaborated in organizing Kisan Mela and training programmes
	Collaborated in organizing farmers training programme during the year,
A seignbourd Tools and some Management A some Foot Wheel Wills District	Delivered lectures as resource persons on various topics related to
Agricultural Technology Management Agency, East Khasi Hills District,	agriculture, horticulture, animal husbandry, fisheries etc
Meghalaya	Collaborated in popularizing ornamental fish culture and breeding among the
	farmers of East Khasi Hills District, Meghalaya
Meghalaya State Aquaculture Mission	Delivered lectures as resource persons on various topics related to
	aquaculture in East Khasi Hills District.
Department of Biotechnology, North Eastern Hills University, Shillong	Delivered lectures as resource persons on various topics related to
	aquaculture in East Khasi Hills District.
World Vision	Conducting demonstration on kitchen garden and providing trainings for
	their extension personnels and farmers
State Departments of Agri, Hort, V ety, fishery Soil Conservation and	Laint invalance station of conious and consumer
Forestry	Joint implementation of various programme

AIR , Shillong and DDK, Shillong, leading newspapers of Meghalaya	Publicity of various KVK programmes
	As experts in Radio talk shows, DDK phone in programmes
SIRD, Meghalaya	Suggestion for implementing various extension Programmes
NESAC, Meghalaya	Establishing Village resources center at KVK East Khasi Hills

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2015-16

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Promoting Usage of Agrotextiles in North-east India	Training: Usage of Agro textiles in protective cultivation and capacity building of the farmers	4 th Nov'15	SASMIRA,Ministry of Textile, Govt. of India	50,000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

Sl. No. Programme		Nature of linkage	Remarks
1	Farm School	Trainings, method demonstrations and field visits	

	Training and Method demonstration on On	To promote simple and low cost technique of mass	The farmers expressed that they have a keen	
2	farm production of bio agents (Trichoderma	multiplication of bio agents among the farmers so	interest in adopting this technique and are willing	
2	sp and <i>Pseudomonas</i> sp)	as to minimize the use of chemical pesticides.	to replace the use of chemical pesticides with the	
			use of bio agents.	
			_	

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any	
-	-	-	-	

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks	
-	-	-	-	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2015-16

6.1 Performance of demonstration units (other than instructional farm)

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

6.2 Performance of instructional farm (Crops) including seed production

Name	Date of	Date of	a -	De	Details of production		Amou	int (Rs.)	
of the crop	sowing	harvest	Area (ha)	Variety	Type of	Otro	Cost of	Gross	Remarks
of the crop	sowing	nai vest	4	variety	Produce	Qty.	inputs	income	
Cereals									
Rice	-	-	-	-	-	-		-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Pulses			•				•	•	•
Green gram	-	-	-	-	-	-	-		-
Black gram	-	-	-	-	-	-	-	-	-
Arhar	-	-	-	-	-	-	-	-	-
Lentil	-	-	-	-	-	-	-	-	-
Ay other	-	-	-	-	-	-	-	-	-
Oilseeds							•		
Mustard	-	-	-	-	-	-	-	-	-
Soy bean	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Fibers									
i.	-	-	-	-	-	-	-	-	-
Spices & Plantation crops			_						
i.									
Floriculture	1			_	1	.		1	
i.									
Fruits		_		•					
i.									
Vegetables									
i.									
ii.									

a. Others					
(specify)					
i.					

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

Sl.	Name of the Product	Qty	Amou	Remarks	
No.	- 100-100		Cost of inputs	Gross income	
-	-	-	-	-	-

6.4 Performance of instructional farm (livestock and fisheries production)

S1.	Name	De	etails of production		Amou		
No	of the animal / bird / aquatics	Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
-	-	-	-	-	-	-	-

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course		No. of Courses	No. of Pa	rticipants inclu	iding SC/ST	No	No. of SC/ST Participants	
	The of the training course	Client (PF/RY/EF)	No. of Courses	Male	Female	Total	Male Female Total		Total
-	-	-	-	-	-	-	-	-	-

6.6. Utilization of hostel facilities (Month-Wise) during 2015-16 Accommodation available (No. of beds) :

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	-	-	-

Total			
Grand total			

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	-	-	-
With KVK	Meghalaya Cooperative Apex Bank	Police Bazar	1710000244042772
Revolving Fund	-	-	-

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

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

7.3 Utilization of KVK funds during the year 2015 -16

C		Sanctione	Released	Expendit			
No.	Particulars Particulars	d (in	(in	ure			
110.		Lakh)	Lakh)	(in Lakh)			
A. Recu	A. Recurring Contingencies						
1	Pay & Allowances	5000000	5000000	4998554			

2	Traveling allowances	220000	220000	220000
3	Contingencies			
\boldsymbol{A}	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance			
	(Purchase of News Paper & Magazines)			
В	POL, repair of vehicles, tractor and equipments	312000	312000	312000
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			512262
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			317000
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the			
	area)	1248000	1248000	200000
G	Training of extension functionaries			20732
Н	Maintenance of buildings			198006
I	Establishment of Soil, Plant & Water Testing Laboratory			-
J	Library			-
	TOTAL (A)	6780000	6780000	6778554
B. Non-	Recurring Contingencies			
1	Works	-	-	-
2	Equipments including SWTL & Furniture	550000	550000	550000
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	-	-	-
	TOTAL (B)	550000	550000	550000
C. REV	OLVING FUND	1	1	-
	GRAND TOTAL (A+B+C)	7330000	7330000	7328554

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	-	-	-	-
April 2014 to March 2015	-	-	=	-
April 2015 to March 2016	-	-	-	-

Note:	No	KVK	must	leave	this	table	blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

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

(Signature) Programme Coordinator