ANNUAL REPORT OF KVKS, 2018-19

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, Upper Shillong, Meghalaya-793009	0364-2560132	0364-2560132	kvkekhup@gmail.com Website: 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, Cleve Colony, Shillong, Meghalaya-793003	0364-2222460	0364-2222460	agri-meg@nic.in

1.3. Name of the Senior Scientist and Head with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Smt. Badahunlang Wahlang	-	9863768444	badawlng18@gmail.com

1.4. Year of sanction: **2010**

1.5. Staff Position **(As on 31st March, 2019)**

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	Sr. Scientist & Head	Smt. Badahunlang Wahlang	Sr. Scientist & Head	Horticulture	PB-4	57800		Deputation	ST
2	Subject Matter Specialist	Shri.Shanmebansan Marbaniang	SMS (Extension)	Education Extension	PB-3	65000	26-6-2012	Co-Terminus	ST
3	Subject Matter Specialist	Smt. Aibanrihun Lyngdoh	SMS(Horti)	Horticulture	PB-3	65000	26-6-2012	Co-Terminus	ST
4	Subject Matter Specialist	Smt Afrida Lyngdoh	SMS (Agronomy)	Agronomy	PB-3	65000	01-10-2013	Co-Terminus	ST
5	Subject Matter	Smt. Bakordalin Chyne	SMS(Plant Protection)	Entomology	PB-3	63100	7-7-2012	Co-Terminus	ST

	Specialist								
6	Subject Matter Specialist	Shri. Samborlang Malngiang	SMS(Fisheries)	Fisheries	PB-3	63100	13-5-2013	Co-Terminus	ST
7	Subject Matter Specialist	-	-	-	-	-	-	-	-
8	Programme Assistant	Mr. Koles A. Muktieh	Programme Assistant (Computer)	Computer Application	PB-2	42300	3-12-2012	Co-Terminus	ST
9	Programme Assistant	Smt. Ladeiphi Kharsati	Programme Assistant (Technical)	Agri. Extension Education	PB-2	35400	6-02-2019	Co-Terminus -	ST
10	Farm Manager	Mr. Baiaishahlang Syiemlieh	Farm Manager	BSc. Agri	PB-2	42300	29-7-2012	Co-Terminus	ST
11	Accountant / Superintendent	-	-	-	-	-	-	-	-
12	Stenographer	-	-	-	-	-	-	-	-
13	Driver	Shri. Friday Ramde	Driver	Under matriculation	PB-1	23800	1-9-2012	Co-Terminus	ST
14	Driver	-	-	-	-	-	-	-	-
15	Supporting staff	Marbakor Myrthong	Supporting staff	Graduate	PB	18000	1-10-2018	Co	ST
16	Supporting staff	Freddy Nongneng	Supporting staff	XII	PB	18000	1-10-2018	Co	ST
	Total	**10**	-	-	-	-	-	-	-

Note: No column in the table must be left blank

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

b. Total cultivable land with KVK (in ha): 6 approx

c. Total cultivated land (in ha): 1

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	Nil
2.	Under Demonstration Units (pl. specify the name) i.Poly house 2 nos	 (100 sqm each)
	ii.Poly tunnel 1 no	(90 sqm)
	iii. Shade net 1 no	(100 sqm)
	iv. Anti hail net 1 no	(100 sqm)
	v. Vermicompost unit 1no	(100 sqm)

	vi. IFS (Climate resilient Integrated Farmins System model)	0.2 ha
	vii. Water Harvesting structure	25 sqm
3	Under Crops (Cereals, pulses, oilseeds etc.) (Pl. specify separately) i.	-
4	Under vegetables (Pl. specify separately) i.Potato ii. iii.	500 sqm
5	Orchard/Agro-forestry	-
6	Others (specify)	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2.	Farmers Hostel	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3.	Staff Quarters (6)	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4.	Demonstration Units (2)	ATMA, SASMIRA	2012 2015	-	-	-	-	-
5	Fencing	NIL	NIL	NIL	NIL	NIL	NIL	NIL
6	Any Other (Pl. specify)	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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	Fair
Mahindra Tractor with accessories	ML 05 Q - 9791	2017	10.00 lakhs	45.00	Excellent

C) Equipments & AV Aids

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

No.				
1	LCD Projector	2010	97,000.00	Good
2	White board	2010	1800.00	Good
3	Computer and accessories (2 No.)	2010, 2013	91942.00	Good
4	Photocopier	2010	1,07,000	Good Funded by Host institute
5	Laptop Computer	2010	45,700.00	Good, funded by Host institute
6	Digital camera	2011	20,450.00	Good
7	Electronic weighing Balance	2012	7650.00	Bad
8	Colour printer, Scanner & Fax (All in one)	2012	25000.00	Bad
9	Internet Connectivity (Through telephone line)	2010	1454.00	Good
10	Sprayer	2011	1800.00	Good
11	Paddy weeder (3 No.)	2011	3000.00	Good
12	SRI row maker (3 No.)	2011	1500.00	Good
13	Adjustable row maker (2 No.)	2013	1260.00	Good
14	HP Desktop (4nos)	2016	183064.00	Excellent
15	HP Printer (1no.)	2016	72500.00	Excellent
16	HP Officejet Pro 6830 All in one Printer	2016	12095.00	Excellent
17	Projector (1 no.)	2016	72510.00	Excellent
18	Ahuja PA Systems	2016	50000.00	Excellent

1.8. A). Details SAC meeting* conducted in 2018-19

Date	**Name and Designation of Participants**	**Salient Recommendations**	**Action taken on last SAC recommendation**
	1. Shri. R. Langstieh, Director (R&T),Directorate of Agriculture, Govt. Of Meghalaya 2. Smti. B. Wahlang Senior Scientist and Head, KVK, E.K.H. District 3. Smti. Divya Parisa Scientist, ICAR-ATARI,Umiam 4. Shri. A. Lamare D.S.W.C.O,	(a) Suggested SMS (Plant Protection) to tie up with State Biological Control Laboratory for procurement of *Trichoderma viridae*, *T. harzianum* and supplying to the farmers. He also suggested to collaborate with the Ginger Development farm for the procurement of ginger	Action taken and verified during SAC meeting

	Plantation Crops, Shillong 5. Smti. S. Kharpuri D.A.O Shillong 6. Smti. P. Kharkongor S.D.A.O Shillong 7. Smti. A.D. Nongbri ADH, East Khasi Hills,Shillong 8. Dr (Mrs.) L. Pale A.H& Vety. Officer Livestock Inspector, Shillong 9. Shri. P.R. Lyngdoh Fishery Officer 10. Shri. W.L. Narry SDO(WR) Shillong 11. Smti. S. L. Dkhar Project Director,ATMA, East Khasi Hills District 12. Smti. R.M.L. Marbaniang Programme Executive, AIR Shillong 13. Shri. Nicholas J.J. Nongkhlaw Programme Executive, Doordarshan Shillong 14. Shri. Anikhet Chettri Programme Assistant, DDK, Shillong 15. Shri. S. Marbaniang SMS, Extension Education, KVK, E.K.H. District 16. Smti. A. Lyngdoh SMS, Horticulture, KVK, E.K.H. District 17. Smti. B. Chyne SMS, Plant Protection, KVK, E.K.H. District 18. Shri S. Malngiang SMS, Fisheries, KVK, E.K.H. District 19. Shri. B. Syiemlieh Farm Manager, KVK, E.K.H. District 20. Smti. A.Lyngdoh SMS, Agronomy, KVK, EKH. District 21. Shri. K.A. Muktieh Programme Assistant, Computer, KVK, E.K.H. District 22. Smti. T. Thabah Progressive Farmer, Smit village 23. Shri K.W. Lyngrah	rhizomes. (b) Enquired from Shri. W. Lyngrah, farmer from Mawsiatkhnam, about the performance of ginger cultivation at his village and encouraged him to study the performance of ginger grown by him under the guidance of KVK scientist and the crop grown through their own knowledge. Shri. W. Lyngrah informed the chairman that he has adopted the technology disseminated by the office of the KVK and has stopped the practice of removal of mother rhizome. He stated that this practice has benefitted him a lot as now he has observed that there is less incidence of rhizome rot. a) Advised SMS (Agronomy) to introduce 2-3 new varieties of babycorn for comparison between the varieties and to also take a local check for the demonstration. She further advised to expand the marketing of babycorn by linking the farmers with local restaurants. Farm Manager replied that in the past KVK, EKH had approached the local restaurants for the same and it was felt that there was a need to process the babycorn to avail a better and wider market. b)Advised the use of Nadia variety of Ginger and to contact Kerela Agriculture University for supply of ginger rhizomes. (c) Suggested to take up trials on sweetcorn. With regard to this, Farm manager replied that KVK, EKH had already done trials on sweetcorn in	

	Progressive Farmer, Mawsiatkhnam village	the past. (d) Advised SMS (Plant Protection) to take up Button Mushroom in her trials and to go for multitier system of cultivation. SMS (Plant Protection) explained that she gives training and demonstrations on Button Mushroom however in the current situation it is difficult to get a steady supply of spawns of Button Mushroom for conducting trials. (e) Enquired if there are any external projects that are being implemented by the office of the KVK. SMS (Fisheries) said that in the previous year he had implemented training Projects/ Demonstrations sponsored by NFDB. Also, SASMIRA in collaboration with the office of the KVK have provided shadenets, vermicompost units etc. to selected farmers of East Khasi Hills district. SMS (Horticulture) also informed Smti. Divya Parisa that KVK, EKH had sent a proposal on Hydroponics in the past few months however till date the funds have not been sanctioned. (f) Enquired about the planting time of Tomato var. Pusa Rohini. SMS (Horticulture) replied that the nursery raising for tomato starts in the month of March. (g) Suggested to incorporate No. of days to maturity/crop duration for the trials on carrot and cabbage. She furthermore suggested to use a check variety for both. This was duly noted by	

		SMS(Horticulture). (h) Enquired about the pests of cabbage. SMS (Plant Protection) gave a satisfactory reply. (i) Suggested to take up fruit crops as part of the trials of KVK. SMS (Horticulture) and SMS (Plant Protection) informed Divya Ma'am that they have been giving trainings on various fruit crops, training and pruning and also done method demonstrations on Citrus Rejuvenation in few villages of East Khasi Hills. j) Shri. P.R. Lyngdoh, Fishery Officer, enquired about the stocking ratio of fishes in Rice cum Fish culture practice. This enquiry was met with a satisfactory answer from SMS (Fisheries). k) Shri. A. Lamare, D.S.W.C.O, Plantation Crops, suggested the collaboration of Soil department with KVK for improved agricultural technologies. l). Smti. T. Thabah, farmer (Smit village) voiced her problems concerning the performance of potato tubers. Shri. R.Langsieh, Joint Director (R&T) explained to her that the performance of potato tubers will decline after 3-4 years due to degeneration. m) W. Lyngrah, farmer from Mawsiatkhnam, shared with the house that in the past he cultivated ginger variety Suprabha and found that it was a good variety and was thriving at Mawsiatkhnam village. However this variety was discontinued and he had	

		requested the house to help in procuring the ginger variety in the near future.	

**** 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.	Farming system/enterprises
2.	Agri + Hort + AH+ Fishery
3.	Agri + Hort+ AH
4	Agri + Hort
5	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**

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 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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1	**Rice**			
a)	Autumn	284	932	
b)	Winter	5439	12554	
c)	Spring	130	275	
2	**Maize**	3113	10464	
3	**Millets**			
a)	Other Cereals and Small Millets	261	324	
4	**Pulses**			
a)	Pea	565	2018	
b)	Cow Pea	17	59	
c)	Lentil	76	160	
d)	Others Pulses	-	-	
5	**Oil Seeds**			
a)	Sesamum	74	110	
b)	Rape & Mustard	93	82	
c)	Soya bean	350	446	
6	**Tuber Crops**			
a)	Potato	11770	122485	
b)	Sweet Potato	726	3164	
c)	Tapioca	510	3412	
7	**Citrus fruits**			
a)	Khasi Mandrin	4127	22857	
b)	Assam Lemon	391	2003	
8	**Fruits Crops**			
a)	Pine Apple	936	7365	
b)	Banana	776	8526	
c)	Papaya	122	868	
9	**Spices Crops**			
a)	Ginger	501	4412	
b)	Turmeric	121	708	
c)	Chillies	145	359	
10	**Plantation Crops**			
a)	Tea	92	476	
b)	Arecanut	4924	5936	

Source: Directorate of Agriculture, Govt. of Meghalaya (2015-16)

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January	49.4	11	1	
February	60.5	12	2	
March	284.14	22	12	
April	4142.8	24	15	
May	3115.1	24	16	
June	2949.2	24	18	
July	9866.5	24	19	
August	999.32	25	18	
September	1956.6	24	18	
October	1147.7	17	9	
November	186.8	9	0	
December	33	6	-3	

Source: Directorate of Agriculture, Govt. of Meghalaya (2016)

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	**12807**	**11.05**	**8363**
Indigenous	**69410**		**15195**
Buffalo	**1756**	**0.08 tonnes**	**128**
Sheep			
Crossbred	**364**	**-**	**-**
Indigenous	**7030**	**-**	**-**
Goats	**78334**	**0.65 tonnes**	**-**
Pigs			
Crossbred	**53818**	**7.72 tonnes**	**-**
Indigenous	**79011**		**-**
Rabbits	**231**	**-**	**-**
Poultry			
Hens		**1.51 tonnes**	
Desi	**194919**		**-**
Improved	**33002**		**-**
Ducks	**1946**		**-**
Turkey and others	**1900**		**-**

***Source: Veterinary Dept. Shillong (2012)

Category	**Area**	**Production**	**Productivity**
Fish	**-**	**-**	**-**
Marine	**-**	**-**	**-**
Inland	**278.28 ha**	**525.7 tonnes**	**-**
Prawn	**-**	**-**	**-**
Scampi	**-**	**-**	**-**
Shrimp	**-**	**-**	**-**

*** Source: Superintendent of Fisheries, East Khasi Hills, Shillong

2.6 Details of Operational area / Villages (2018-19)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1		Mylliem	Mawjrong	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
			Laitjem	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
		Mawphlang	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 agril. -hort. 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		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	Pashang	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 agril. -hort. 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	Jaroit, Tynring, 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 • agril. -hort. 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

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2018-19

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Horticulture	2	2	40	40	2	2	40	40
Agronomy	2	2	45	45	2	2	75	75
Plant Protection	3	3	20	20	2	2	85	95
Fisheries	1	1	3	3	2	2	12	`12
Extension Education	2	2	160	160	1	1	-	-
Total	10	10	268	268	9	9	212	222

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
Number of Training (Courses)			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	35(131)	38(194)	2255	2113	596	759	4585	11865
Rural youth	25(33)	25(82)	656	670				
Extn. Functionaries	12(48)	26(104)	250	498				
Total	72	89	3161	2881				

Seed Production (ton.)		Planting material (Nos. in lakh)	
Target	Achievement	Target	Achievement
40 tonnes	29 tonnes	20000	10000

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2018-19

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1		Baby corn	Low income return of local maize (Sohriew Stem)	Evaluation of Babycorn var. RCM 1-1 for enhancing the income of farmers.	-	Scientific POP of Baby corn	-	-	Baby corn seeds
2		Rice	Unjudicious use of inorganic inputs	Performance of paddy variety Shahsarang	-	Management of rice nursery Soil health management through organic sources	-	-	Rice seeds
3		Maize	-	-	Popularisation of Maize HQPM 1	POP of maize INM in maize	-	-	Maize seeds
4		Maize +Frenchbean	-	-	Popularising of organic cultivation of French bean for sustainable farming	Cropping systems	-	-	Maize seeds and French bean var Sel.9 Organic manure : Libra

5	Varietal evaluation	Pea var. *Arka Priya*	Unavailability of open pollinated seeds	Performance of open-pollinated Pea var. Arka Priya	-	Organic cultivation of pea	-	Trainings, method demonstrations.	FYM,seeds, bio-fertilizers, bio-fungicide,bio-pesticide
5	Nutrient Management	Cabbage var. *Golden Acre*	Degrading soil health due to injudicious use of chemical fertilizers	Performance of Cabbage under organic nutrient management practices	-	Organic cultivation of cole crops.	Nursery raising of vegetable crops	Trainings, method demonstrations.	FYM,seeds, bio-fertilizers, bio-fungicide,bio-pesticide
6	Varietal Evaluation	Potato var. Kufri Himalini	Low yield due to occurance of Late blight in potato.	-	Popularisation of potato var Kufri Himalini for yield enhancement.	Scientific package of practices of Potato	-	Trainings, method demonstrations.	FYM,potato tubers, bio-fertilizers, bio-fungicide,bio-pesticide
7	Nutrient Management	French bean var. Selection 9	Degrading soil health due to injudicious use of chemical fertilizers	-	Popularisation of Organic cultivation of Frenchbean for sustainable farming.	Organic cultivation of frenchbean	-	Trainings, method demonstrations.	FYM,seeds, bio-fertilizers, bio-fungicide,bio-pesticide

8	Biological control	Potato	Late blight of potato	Performance of Bio-agents for reducing the incidence of late blight of potato	-	Use of biopesticides for the management of insect pests and diseases in potato	IPM of potato and tomato	Training, Method demonstration	Potato tubers (Kufri Girdhari),FYM, organic manure Libra, Biofertilizer (Azotobacter) ,*Trichoderma harzianum*, *Pseudomonas florescence*
9	Biological control	Ginger	Soft rot of ginger and White grub infestation	Performance of Bioagents-for reducing the incidence of soft rot and White grub infestation in ginger	-	Role of bio pesticides and their uses in management of Insect pests and diseases in ginger	-	Training, Method demonstration	Ginger rhizomes, FYM, *Trichoderma harzianum*, *Pseudomonas florescence*, *Beauveria bassiana*, *Metarhiziu m anisopliae*
10	Biological control	Pea	Rhizoctonia rot of pea	-	Promotion of Biopesticide to reduce the incidence of Rhizoctonia rot of Pea.	Integrated pest management packages for leguminous vegetables and pulses	Role of biopesticides for the management of insect pests and diseases in leguminous crops	Training, Method demonstration	Pea (Arka priya), FYM, *Trichoderma harzianum*, *Pseudomonas florescence*

11	Cultivation of oyster mushroom	Oyster mushroom	Low income of the farmers	-	Popularisation of low cost oyster mushroom production round the year	Cultivation of mushroom (Oyster mushroom)		Training, Method demonstration	Oyster spawns, plastic bags, straw,
12	Dissemination time/ Loss of technologies	Citrus	Lack of information about the marketing efficiency of various marketing channels in the district	Study on the Marketing efficiency of various marketing channels of citrus in East Khasi Hills District	-	-	-	PRA, Diagnostic Visits, Group Discussion, Interview	-
13	Technology Backstopping	Babycorn / Tomato	Farmers not following the recommended Package of practices demonstrated	Technological Gap Analysis of recommended package of practices for production of Babycorn and Tomato and farmers practice.	-	Package of Practices of Babycorn and Tomato (SMS Hort and SMS Agronomy)	-	PRA, Pre Post Training Assessment Diagnostic Visits, Group Discussion, Interview	-
14	Impact Assessment	-	Lack of knowledge of soil fertility management and SHC	-	Impact of SHG on socio economic development of rural women	Group Dynamics, Management of SHGs	-	PRA, Diagnostic Visits, Group Discussion, Interview	-

3.1 Achievements on technologies assessed and refined during 2018-19

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	-	-	-	-	-
Seed / Plant	-	-	-	-	-	-	-	-	-	-

production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	1	-	1	-	-	-	-	-	-	2
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	1	1	-	-	-	-
Nutrient Management	-	-	-	-	2	-	-	1	2	2
Introduction/Popularization					1					
TOTAL	**3**	**-**	**1**	**-**	**5**	**1**	**-**	**1**	**2**	**4**

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

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
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**	**Rabbitery**	**Fisheries**	**TOTAL**
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	1	1
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	1	1

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

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

A.5. Results of On Farm Testing (OFT)

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B:C Ratio (if applicable)
1	Evaluation of babycorn var. RCM 1-1 for enhancing the income of farmers	Low income return of local maize (Sohriew stem)	Evaluation of babycorn var. RCM 1-1 for enhancing the income of farmers	Maize	2	Yield(t/ha)=1.8 Plt height=130cm Avg.no of cobs/plant=4 Net return=225448	processing unit is required for large scale	-	1.7:2.8
2	Performance of paddy variety Shahsarang	Low yield of local variety	Performance of paddy variety Shahsarang	Rice	2	Yield: 3.0t/ha Plant height: 94cm Avg no.of tillers/hill= 13	Yield is lower in organic cultivation	-	1.8:2.2
3	Performance of open-	Unavailability of open pollinated	Performance of open-pollinated Pea var. Arka	Pea var. *Arka Priya*	5	1. Yield (q//ha)-54	The variey shows tolerance to	The variety shows promise for East Khasi	2.4

	pollinated Pea var. Arka Priya	seeds	Priya			2. Plant height (cm)-52 3. Average no. of pods/plants-21	Rust disease. The size and shape is acceptable at the market.	Hills dictrict of Meghalaya.	
4	Performance of cabbage under organic nutrient management practices	Degrading soil health due to injudicious use of chemical fertilizers	Performance of cabbage under organic nutrient management practices	Cabbage var. *Golden Acre*	6	1. Average yield (q/ha)- 150 2.Average weight of 1 cabbage head (kg)-1.2 3. Average head diameter (cm)-8	Lower yield as compared to crops grown using chemical fertilizers	Though yield is lower in comparison to chemical fertilizers, however farmers are accepting organic farming inorder to restore soil health.	3.9
5	Performance of Bio-agents for reducing the incidence of late blight of potato	Late blight of potato	Performance of Bio-agents for reducing the incidence of late blight of potato	Potato	4	**Yield (q/ha)-** Technology assessed - 12 t/ha Farmer Practice-8 t/ha **<u>Late blight incidence</u>** **No of infected plants/ 25m2** Technology assessed-10 Farmer Practice-37 **Infection %** Technology assessed- 5-6% Farmer Practice-			Technology assessed – 2.03 Farmer Practice-1.5

						20%			
6	Performance of Bioagents- for reducing the incidence of soft rot and White grub infestation in ginger	Soft rot of ginger and White grub infestation	Impact of Bioagents- *Trichoderma harzianum and Pseudomonas florescence* for reducing the incidence of soft rot in ginger *Field application of Beauveria bassiana* and *Metarhizium anisopliae against white* grub infesting ginger crop in farmer's field	Ginger	2	**Yield (q/ha)-** Technology assessed - 12 t/ha Farmer Practice- 8 t/ha **Soft rot incidence** **No of infected plants/ 25m2** Technology assessed-2 Farmer Practice- 10 **Infection %** Technology assessed- 3% Farmer Practice- 20% **White grub infestation** **No of infested plants/ 25m2** Technology assessed- 2 Farmer Practice- 10 **Infestation %** Technology assessed- 5% Farmer Practice- 22%			Technology assessed – 3.2 Farmer Practice- 2
8	Performance of Paddy-Fish Integrated	Low Productivity and Income Due to Single Enterprise	Performance of Paddy-Fish Integrated Farming System	Fish, Paddy	3	Avg. Yield of Fish : 30 kgs/0.1 ha Avg. Yield of Rice : 210 kgs/0.1	Trials would be Conducted in the Second Year	Promising technology for the farmers	2.1

	Farming System					ha Net Return : 7000			
9	Study on the Marketing efficiency of various marketing channels of citrus and ginger in East Khasi Hills District	Lack of information about the marketing efficiency of various marketing channels in the district	Marketing efficiency of marketing channels I. Farmers→Retailer II. Farmers→ Village level trader→ Market III. Farmers→Village level trader→Wholeseller→Retailer	-	-	I. Farmers□Retailer II. Farmers□ Village level trader□ Market III. Farmers□Village level trader□ Wholeseller□Retailer 30 respondents/Treatment from 3 selected Blocks (Purposive)			
10	Technological Gap Analysis of recommended package of practices for production of	Farmer not following technology demonstrated	Improved POP of Babycornand Tomato comparison with farmer Practice Interview schedule and field inspection	-	-	Techology Gap in Babycorn: 50% Technology Gap in Tomato- 55%	-	-	-

	Babycorn and Tomato and farmers practice.								

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

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

3.2 Achievements of Frontline Demonstrations during 2018-19

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

List of technologies demonstrated during previous years and popularized during 2017-18 and recommended for large scale adoption in the district

Sl. No	Crop and Variety/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Maize (HQPM1)	Scientific Package of Practices of Maize HQPM 1	Jaroit, Diengpasoh, Tynring	34	1ha
2	Maize , frenchbean	Maize + legume crop intercroppping (Maize DA 61 -A Frenchbean Var. se lection 9)	Mylliem, Laitjem, Jaroit and Dingpasoh	41	1ha
3	Potato var. Kufri Girdhari	Varietal evaluation of Potato var. Kufri Girdhari	5	10	5
4	Mushroom	Popularization of low cost cultivation of oyster mushroom	10	40	40 units

5	Pea	Promotion of the use of *Trichoderma harzianum* @ 5g/liter of water for management of *Rhizoctonia* rot of pea in farmer's field	8	40	1ha
6	Fish	Promotion of Composite Fish Culture for Enhancing Fish Production	4	10	1.5 ha
7	Fish, Pig	Popularization of Fish cum Pig Integrated Farming System for doubling farmers income	2	2	0.5 ha

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

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

Sl. No.	**Crop**	**Thematic area**	**Technology Demonstrated**	**Season and year**	**Area (ha)**		**No. of farmers/ demonstration**			**Reasons for shortfall in achievement**	**Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)**	**Status of soil (Kg/ha)**		
					Proposed	**Actual**	**SC/ST**	**Others**	**Total**			**N**	**P**	**K**
1.	French bean var. Selection 9	Nutrient management	Popularisation of organic cultivation of frenchbean for sustainability	Rabi 2018	1	1	20	-	20	-	Rainfed/Sandy clay loam, Alti.- 1240-1300 m	H 561.2	H 56	L 76.16

2.	Potato var. Kufri Himalini	Varietal Evaluation	Popularisation of potato var. Kufri Himalini.	Rabi 2018	1	1	20		20		Rainfed/ Sandy clay loam, Alti.- 1240-1300 m	H 561.2	H 56	L 76.16
3	Pea	Biological control	Promotion of Bio-pesticide to reduce the incidence of Rhizoctonia rot of Pea.	August ,2018	1	2.5	40/6	-	40/6	-	Rainfed Sandy loam to clay loam, Alti.-1500 m	H 568.03	H 205.18	L 98.56
4	Mushroom	Mushroom cultivation	Popularisation of low cost oyster mushroom production round the year	April-November ,2018	85units	95 units	40	-	40	-	-	-	-	

c. Performance of FLD on Crops during 2018-19

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	Maize		1	23.2	17.8	30.3	24.1	21.9	-	-	35208	92800	57592	2.63	28950	62300	33350	2.15
2	Maize +frenchbean		1	23.7 42.1	21.2 39.9	11.7 5.51	24.2 43.7	22.9 39.8	-	-	81250	251350	170100	3.03	78200	233800	155600	2.98
3	French bean var. Selection 9	Nutrient management	1	82	53	35	86	70	Low infestation of Rhizoctonia rot	Infestation of Rhizoctonia rot	140856.62	344400.00	203543.38	2.4	95345.83	212000.00	116654.17	2.2
	Potato var. Kufri Himalini for	Introduction /Popularization	1	150	115	23	170	130	Low incidence of Late Blight	Incidence of Late Blight	78513	300000	221488	3.8	86478	230000	143522	2.6

	yield enhancement.																	
4	Promotion of bio-pesticide to reduce the incidence of rhizoctonia rot of pea	Biological control	2.5	54	35	35%	55	45	**Disease incidence** For 25m2 No of plant infested : 3 Infection%: 6%	**Disease incidence** For 25m2 No of plant infested : 15 Infection%: 30%	Rs. 87646	Rs.2,16,000	Rs.1,28,355	2.4	Rs. 58678	Rs. 105000	Rs. 46322	1.8
	Popularization of low cost oyeste	Mushroom cultivation	40 units	**4.5 kg/bag (225 kg/50 bags**	-	-	5 kg/50 bag (250 kg/50 bags)	2.5 kg /bag (125 kg/50 bags)	-	-	Rs.14,840	Rs.45,000	Rs.30,160	3.03	-	-	-	-

	r mushroom production round the year																	

***H-Highest recorded yield, L- Lowest recorded yield**

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

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

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

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

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	7	8th Nov,2018 , 18th June'18, 28th Nov'18 29th Nov'18, 11th Dec'18, 16th Nov 2018	-	596	102	Field day on Rice
2	Farmers Training	22	10th April'18,12th April'18,13th April'18, 16thApril'1810th April'19, 16th April'19 8th May'18, 24th August'18,22nd June,18	-	630	630	-
3	Media coverage	-	-	-	-	-	-
4	Training for extension functionaries	6	7th May'19, 25th June'19, 29th Nov'19	-	54	54	-
	Total	**35**	-	-	**1280**	**786**	-

e. Details of FLD on Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

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

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

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

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

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

(iii) Fisheries

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs.in lakhs /Ha.)				Econ. of check (Rs.in lakh /Ha.)				Remarks
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR **	GC	GR	NR	BCR	
1	Silver carp, Grass carp, common carp, Catla	Pond Management	Promotion of Composite Fish Culture for enhancing Fish Production	10	10	7500 nos (Catla : 1000 nos Rohu : 1000 nos Mrigal: 2000 nos Silver carp 500 nos Grass carp : 2000 nos Common carp : 1000 nos)	Avg. wt before stocking – 100 gms Avg wt. after harvesting – 850 gms Average yield – 2100 kg/ha	Avg. wt before stockiest - 70 Avg wt. after harvesting – 450 gms Average yield 900 kg/ha	133 %	-	-	1.8	3.5	1.7	1.9	0.8	1.2	0.4	1.5	-
2	Silver carp, Grass	Integrated Farmi	Popularisation of	1.5		5000 + 10 piglets	Avg. wt befor	Avg. wt befor	155 %	-	-	2.93	6.60	3.67	2.25	0.8	1.2	0.4		

	carp, common Carp, Catla, Cross breed pig	ng System	pond based integrated fish culture				e stocking - 100 Avg wt. after harvesting – 850 gms Average fish yield – 2300 kg/ha Average piglet wt. -8 kgs Pork production : 120 kg/unit	e stockiest - 70 Avg wt. after harvesting – 450 gms Average fish yield 900 kg/ha											

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

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

(iv)Other enterprises

Sl. No.	Category/ Enterprise,	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC **	GR **	NR **	BCR **	GC	GR	NR	BCR	
	Mushroom	Cultivation of oyster mushroom	Popularisation of low cost oyster mushroom production round the year	95 farmers	95 units	Yield 4.5 kg/bag (225 kg/50 bags	-	-	-	-	Rs.14,840	Rs.45,000	Rs.30,160	3.03	-	-	-	-	-

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

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

(v) Farm Implements and Machinery

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

f. Performance of FLD on Crop Hybrids

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

H-Highest recorded yield, L- Lowest recorded yield

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

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

3.3. Achievements on Training during 2018-19

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

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

Thematic area	No. of Trainings (Courses)			Participants																		
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On-Campus (1)	Spon 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)	Grand Total (x + y)
I. Crop Production																						
Weed Management	1	-	1	-	-	-	-	-	-	0	-	-	-	33	-	-	-	-	-	-	-	33
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cropping Systems	1	-	1	-	-	-	-	-	-	16		8		24	-	-	-	-	-	-	-	24
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	1	-	1	-	-	-	-	-	-	16	8	-	-	24	-	-	-	-	-	-	-	24
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated	1	-	1	-	-	-	-	-	-	19	11	-	-	30	-	-	-	-	-	-	-	30

Crop Management																						
Fodder production	1	-	1	-	-	-	-	-	-		33	-	-	33	-	-	-	-	-	-	-	33
Production of organic inputs	3	-	3	-	-	-	-	-	-	7	64	-	-	71	-	-	-	-	-	-	-	71
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	1	-	1	-	-	-	-	-	-	16	-	14	-	20	-	16	-	14	-	20	-	20
Off-season vegetables	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery raising	4	-	4	-	-	-	-	-	-	28	-	53	-	81	-	28	-	53	-	81	-	81
Exotic vegetables like Broccoli	1	-	1	-	-	-	-	-	-	16	-	14	-	20	-	16	-	14	-	20	-	20
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	-	1	-	-	-	-	-	-	4	-	22		26	-	4	-	22	-	26	-	26
Organic cultivation of vegetables	7	-	7	-	-	-	-	-	-	52	-	60	-	112	-	52	-	60	-	112	-	112

Kitchen Garden	2	-	2	-	-	-	-	-	-	23	-	33	-	56	-	23	-	33	-	56	-	56
Storage of vegetables	1	-	1	-	-	-	-	-	-	23	-	22	-	45	-	23	-	22	-	45	-	45
Processing of vegetables	1	-	1	-	-	-	-	-	-	23	-	22	-	45	-	23	-	22	-	45	-	45
b) Fruits																						
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro 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	2	-	2	-	-	-	-	-	-	18	-	33	-	51	-	18	-	33	-	51	-	51	
Post harvest handling of cut flowers	2	-	2	-	-	-	-	-	-	4	-	55	-	59	-	4	-	55	-	59	-	59	
Basics of floriculture and Landscaping	1	-	1	-	-	-	-	-	-	4	-	22	-	26	-	4	-	22	-	26	-	26	
d) Plantation crops																							
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops																							
Production and Management technology	1	-	1	-	-	-	-	-	-	16	-	11	-	27	-	16	-	11	-	27	-	27	
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

f) Spices																						
Production and Management technology	2	-	2	-	-	-	-	-	-	38	-	22	-	60	-	38	-	22	-	60	-	60
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants																						
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management																						
Soil fertility management	4	-	4	-	-	-	-	-	-	38	-	68	-	106	-	-	-	-	-	-	-	106
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of Problematic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

soils																						
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IV Livestock Production and Management																						
Dairy Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Design and development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII Plant Protection																						
Integrated Pest Management	2	1	2	26	10	40	5	66	15	26	10	40	5	66	15	26	10	40	5	66	15	81
Integrated	2	-	2	4	-	22	-	26	-	4	-	22	-	26	-	4	-	22	-	26	-	26

Disease Management																						
Bio-control of pests and diseases	17	-	17	37	-	103	-	140	-	37	-	103	-	140	-	37	-	103	-	140	-	140
Production of bio control agents and bio pesticides	1	-	1	4	-	22	-	26	-	4	-	22	-	26	-	4	-	22	-	26	-	26
Mushroom cultivation	5	-	5	42	-	41	-	83	-	41	-	42	-	83	-	42	-	41	-	83	-	83
VIII Fisheries																						
Integrated fish farming	3		3	-	-	-	-	-	-	26		56		82		26		56		82	-	82
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	3	-	3	-	-	-	-	-	-	40		42		82		40		42		82	-	82
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																						
Seed Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bee-colonies and wax sheets																						
Small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics																						
Leadership development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Group dynamics	2	-	2	-	-	-	-	-	-	32	-	19	-	51	-	32	-	19	-	51	-	51
Formation and Management of SHGs	2	-	2	-	-	-	-	-	-	58	-	42	-	100	-	58	-	42	-	100	-	100
Mobilization of social capital	2	-	2	-	-	-	-	-	-	24	-	13	-	37	-	24	-	13	-	37	-	37
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Farm Planning &Budgetting	2	-	2	-	-	-	-	-	-	41	-	28	-	69	-	41	-	28	-	69	-	69

Ccapacity Building for ICT Development	2	-	2	-	-	-	-	-	-	4	-	22	-	26	-	4	-	22	-	26	-	26
XI Agro-forestry																						
Production technologies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nursery management	3	-	3	-	-	-	-	-	-	20		58		78		20		58		78	-	78
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	**84**	**1**	**84**	**113**	**10**	**228**	**5**	**341**	**15**	**718**	**126**	**880**	**5**	**1711**	**15**	**599**	**10**	**811**	**5**	**1494**	**15**	**1708**

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

Thematic area	**No. of Trainings (Courses)**			**Participants**																		**Grand Total**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	Off	**Sp Off***	**Total**	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	
I. Crop Production																						
Weed Management	1	-	1	-	-	-	-	-	-	0	-	33	-	33	-	-	-	-	-	-	-	33
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cropping Systems	1	-	1	-	-	-	-	-	-	16		8	-	24	-	-	-	-	-	-	-	24
Crop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Diversification																						
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	1	-	1	-	-	-	-	-	-	16	8	-	-	24	-	-	-	-	-	-	-	24
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated Crop Management	1	-	1	-	-	-	-	-	-	19	11	-	-	30	-	-	-	-	-	-	-	30
Fodder production	1	-	1	-	-	-	-	-	-		33	-	-	33	-	-	-	-	-	-	-	33
Production of organic inputs	3	-	3	-	-	-	-	-	-	7	64	-	-	71	-	-	-	-	-	-	-	71
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery raising	3		3							20		58		78		20		58		78	-	78
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Grading and standardization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic cultivation of vegetables	4	-	4	-	-	-	-	-	-	27	-	4	-	31	-	27	-	4	-	31	-	31
Processing of vegetables	1	-	1	-	-	-	-	-	-	9	-	39	-	48	-	9	-	39	-	48	-	48
b) Fruits																						
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	-	1	-	-	-	-	-	-	9	-	39	-	48	-	9	-	39	-	48	-	48
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

systems of orchards																						
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants																						
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	1	-	1	-	-	-	-	-	-	2		8		10		2		8		10	-	10
Propagation techniques of Ornamental Plants	2	-	2	-	-	-	-	-	-	16		19		35		16		19		35	-	35
Post harvest handling of cut flowers	1	-	1	-	-	-	-	-	-	-	-	33	-	33	-	-	-	33	-	33	-	33
d) Plantation crops																						1
Production and Management technology	2	-	2		-	-	-	-	-	36	-	20	-	56	-	36	-	20	-	56	-	56
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e) Tuber crops																						
Production and Management	2		2	-	-	-	-	-	-	20	-	48	-	68	-	20	-	48	-	68	-	68

technology																						
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
f) Spices																						
Production and Management technology	1	-	1	-	-	-	-	-	-	-		18	-	18	-	-	-	18	-	18	-	18
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants																						
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management																						
Soil fertility management	4	-	4		-	-	-	-	-	38	-	68	-	106	-	-	-	-	-	-		106
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

gardening and nutrition gardening																						
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII Plant Protection																						

Integrated Pest Management	1	-	1	16	-	8	-	24	-	16	-	8	-	24	-	16	-	8	-	24	-	24
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bio-control of pests and diseases	11	-	11	40	-	79	-	119	-	40	-	79	-	119	-	40	-	79	-	119	-	119
Production of bio control agents and bio pesticides	1	-	1	28	-	7	-	35	-	28	-	7	-	35	-	28	-	7	-	35	-	35
VIII Fisheries																						
Integrated fish farming	2	-	2	-	-	-	-	-	-	18	-	23	-	41	-	18	-	23	-	41	-	41
Carp breeding and hatchery management	1	-	1	-	-	-	-	-	-	23	-	12	-	35	-	23	-	12	-	35	-	35
Carp fry and fingerling rearing	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61
Composite fish culture	2	-	2	-	-	-	-	-	-	16		45		61	-	16		45	-	61	-	-
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																						
Seed Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

fry and fingerlings																						
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics																						
Leadership development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Group dynamics	1	-	1	-	-	-	-	-	-	5	-	23	-	28	-	5	-	23	-	28	-	28
Formation and Management of SHGs	2	-	2	-	-	--	-	-	-	9	-	54	-	63	-	9	-	54	-	63	-	63
Mobilization of social capital	3	-	3	-	-	-	-	-	-	4	-	37	-	41	-	4	-	37	-	41	-	41
Entrepreneurial development of farmers/youths	2	-	2	-	-	-	-	-	-	18	-	10	-	28	-	18	-	10	-	28	-	28
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Information Networking among Farmers	2	-	2	-	-	-	-	-	-	5	-	56	-	61	-	5	-	56	-	61	-	61
Gender Mainstreaming through SHGs	2	-	2	-	-	-	-	-	-	0	-	15	-	15	-	0	-	15	-	15	-	15
XI Agro-forestry																						
Production technologies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**58**	**0**	**4**	**84**	**0**	**0**	**0**	**178**	**0**	**417**	**116**	**749**	**0**	**1282**	**0**	**321**	**0**	**574**	**0**	**872**	**0**	**1193**

(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)

Thematic area	No. of Trainings (Courses)			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	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)	
Mushroom Production	1	-	1	5	-	10	-	15	-	5	-	10	-	15	-	5	-	10	-	15	-	15
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated	**1**	**-**	**1**		-	-	-	-	-	**10**	**-**	**20**	**-**	**30**	**-**	**10**		**20**	**-**	**30**	**-**	**30**

farming																						
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production of organic inputs	2	-	2	30	-	15	-	45	-	30	-	15	-	45	-	30	-	15	-	45	-	45
Production of biofertilizers	-	1	-	-	-	-	-	-	-	-	5	-	10	-	15	-	5	-	10	-	15	
Integrated Farming	**1**		**1**	-	-	-	-	-	-	**10**	-	**20**	-	**30**	-	**10**	-	**20**	-	**30**	-	**30**
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training and	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

pruning of orchards																						
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

technology																						
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated pest management	5	-	5	20	-	10	-	30	-	20	-	10	-	30	-	20	-	10	-	30	-	30
Biological control	4	-	4	5	-	10	-	15	-	5	-	10	-	15	-	5	-	10	-	15	-	15
Mobilization of social capital in villages	2	-	2	-	-	-	-	-	-	0	-	46	-	46	-	0	-	46	-	46	-	46
Entrepreneurship Development of Rural Youths	2	-	2	-	-	-	-	-	-	15	-	48	-	63	-	15	-	48	-	63	-	63
Developing Communication Skills	1	-	1	-	-	-	-	-	-	15	-	30	-	45	-	15	-	30	-	45	-	45
Commercial fruit production	1	-	1	-	-	-	-	-	-	5		10		15		5		10	-	15	-	15
Post Harvest Technology	2	-	2	-	-	-	-	-	-	10		20		30		10		20	-	30	-	30
Organic	2	-	2	-	-	-	-	-	-	10		20		30		10		20	-	30	-	30

vegetable production																						
Commercial production of ornamental plants	2	-	2	-	-	-	-	-	-	10		20		30		10		20	-	30	-	30
TOTAL	**22**	**1**	**22**	**60**	**0**	**45**	**0**	**105**	**0**	**125**	**5**	**239**	**10**	**364**	**15**	**125**	**5**	**239**	**10**	**364**	**15**	**364**

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

Thematic area	**No. of Trainings (Courses)**			**Participants**																		**Grand Total**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	Off	**Sp Off**	**Total**	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	
Mushroom Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated farming	**2**	**-**	**2**	-	-	-	-	-	-	**24**		**22**		**46**		**24**		**22**		**46**		**46**
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-culture	2	-	-	-	-	-	-	-	-	7	-	48	-	35	-	7	-	48	-	83	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

cultivation of vegetable crops																						
Commercial fruit production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ornamental fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	1	-	1	-	-	-	-	-	-	15		15		30		15		15		30	-	30
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Biological control	6	-	6	30	-	26	-	56	-	30	-	26	-	56	-	30	-	26	-	56	-	56
IPM	2	-	2	23	-	5	-	28	-	23	-	5	-	28	-	23	-	5	-	28	-	28
Mobilization of social	1	-	1	-	-	-	-	-	-	15	-	5	-	20	-	15	-	5	-	20	-	20

capital in villages																						
Capacity Building for ICT Development	1	-	1	-	-	-	-	-	-	23	-	5	-	28	-	23	-	5	-	28	-	28
Leadership Development in villages	1	-	1	-	-	-	-	-	-	23	-	5	-	28	-	23	-	5	-	28	-	28
Entrepreneurship Development and scope of	2	-	2	-	-	-	-	-	-	0	-	20	-	20	-	0	-	20	-	20	-	20
Integrated Farming System	1	-	1	-	-	-	-	-	-	15	-	15	-	30	-	15	-	15	-	30	-	30
TOTAL	**19**	**0**	**13**	**53**	**0**	**31**	**0**	**84**	**0**	**137**	**-**	**166**	**-**	**293**	**-**	**137**	**-**	**126**	**-**	**291**	**-**	**208**

C. Extension Personnel

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

Thematic area	**No. of Trainings (Courses)**			**Participants**																		**Grand Total (x + y)**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	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 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

Productivity enhancement in field crops	2	-	2	-	-	-	-	-	-	10		44		54		10		44		54	-	54
Integrated Pest Management	4	-	4	25	-	24	-	49	-	25	-	24	-	49	-	25	-	24	-	49	-	49
Integrated Nutrient management	1	-	1	-	-	-	-	-	-	0	-	16	-	16	-	0		16	-	16	-	16
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biological control	10	-	10	65	-	35	-	100	-	65	-	35	-	100	-	65	-	35	-	100	-	100
Production and use of organic inputs	2	-	2	10	-	20	-	30	-	10	-	20	-	30	-	10	-	20	-	30	-	30
Rejuvenation of old	2	-	2	10	-	2	-	12	-	10	-	2	-	12	-	10	-	2	-	12	-	12

orchards																					
Entrepreneurial Concepts for Enterpreneurship development of farmers	2	-	2	-	-	-	-	-	-	0	-	20	-	20	-	0	-	20	-	20	-	20
Certification & Marketing in organic farming for soil productivity improvement	4	-	4	-	-	-	-	-	-	10	-	20	-	30	-	10	-	20	-	30	-	30
Integrated Farming System	1	-	1	-	-	-	-	-	-	15		15		30		15		15		30		30
TOTAL	**28**	**0**	**28**	**110**	**0**	**81**	**0**	**191**	**0**	**145**	**0**	**196**	**0**	**341**	**0**	**145**	**0**	**196**	**0**	**341**		**341**

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Agricuture and Soil Sc	Organic POP of Maize Scientific POP of babycorn INM Cropping System	10th -13th April 2018	4	Centre	Farmers and Farm women	-	-	-	4	27	31	4	27	31
		Maize & Legume intercropping POP of Maize Cropping System Bofertilisers and its application	8th to 11th May 2018	4 days		Farmers and Farm women	-	-	-	16	8	24	16	8	24
		IWM ,importance of weed management	26th to 29th. June 2018	4 days		Farmers and Farm women	-	-	-	14	11	25	14	11	25

		Soil Health Management. Improvement of soil fertility through organic practices Biofertilizers	10th to 13th July 2018	4 days		Farmers and Farm women	-	-	-	4	24	28	4	24	28
		Importance of pulses and legumes for productivity	23rd to 26th oct 2018	4 days		Farmers and Farm women / RY/EP	-	-	-	9	11	30	9	11	30
		Production of baby corn Improvement of soil health productivity Organic farming Nutrient managemet through organic sources	4th -8th march 2019 11th -15th March 2019 18th to 23rd March 2019	4 days		Farmers and farm women Rural youth	-	-	-	16 15	11 30	27 45	16 15	11 30	27 45
Horticulture	Organic Cultivation of vegetables	Organic Package of practices of Cabbage	10th -13th April'18				-	-	-						

	Organic Cultivation of vegetables	Organic Package of practices of Cauliflower	10th -13th April'18				-	-	-						
	Organic Cultivation of vegetables	Organic Package of practices of Broccoli	10th -13th April'18				-	-	-						
	Organic Cultivation of vegetables	Organic Package of practices of Knol-Khol	10th -13th April'18				-	-	-						
	Production of low volume and high value crops	Production of low volume and high value crops	22-25thMay'18				-	-	-						
	Exotic vegetable production	Exotic vegetable production	22-25thMay'18				-	-	-						
	Cultivation and maman	Scientific package of practices of commercially	12th -14th June '18				-	-	-						

	gement practices of ornamental plants	important flowers													
	Cultivation and maman gement practices of ornamental plants	Post harvest handling of cut-flowers	12th -14th June ’18				-	-	-						
	Kitchen Garden	Kitchen Garden	10th -13th July’18				-	-	-						
	Protective Cultivation	Protective cultivation	10th -13th July’18				-	-	-						
	Nursery Raising	Nursery raising of vegetables and scientific package of practices of commonly grown vegetables	10th -13th July’18				-	-	-						
	Cultivation and	Basics of Floriculture and	10th -13th				-	-	-						

	maman gement practice s of orname ntal plants	Landscaping	July'18												
	Cultivat ion and maman gement practice s of orname ntal plants	Scientific package of practices of commercially important flowers	10^{th} -13^{th} July'18				-	-	-						
	Cultivat ion and maman gement practice s of orname ntal plants	Post harvest handling of cut-flowers	10^{th} -13^{th} July'18				-	-	-						
	Storage process es	Zero energy chamber	13^{th} - 17^{th}August'1 8 .				-	-	-						
	Value Additio n	Preparation of tomato sauce, ketchup and chutney	20^{th} - 24^{th}August'1 8.				-	-	-						

	Cultivation and maman gement practices of ornamental plants	Plant propagation techniques	11th -14th Sept.'18				-	-	-						
	Cultivation and maman gement practices of ornamental plants	Production of export potential ornamental plants	11th -14th Sept.'18				-	-	-						
	Kitchen Garden	Kitchen Garden	22nd -25th Oct.'18				-	-	-						
	Nursery Raising	Nursery Raising of vegetable crops	22nd -25th Oct.'18				-	-	-						
	Production and maman gement practice	Scientific package of practices of turmeric	22nd -25th Oct.'18				-	-	-						

	s of spices														
	Production and management practices of spices	Scientific package of practices of ginger	22nd -25th Oct.'18				-	-	-						
	Nursery Raising	Nursery Raising of vegetables in nursery beds.	9th - 11thJan.'19				-	-	-						
	Nursery Raising	Nursery raising of vegetables in Pro-trays.	9th - 11thJan.'19				-	-	-						
		Scientific package of practices of Cabbage	28th -31st Jan.'19				-	-	-						
	Production and management practices of spices	Production and management technology of spices.	22nd -28th Feb.'19				-	-	-						
	Production and manage	Production and management technology of	22nd -28th Feb.'19				-	-	-						

	ment technology of tuber crops.	tuber crops.													
	Production and management technology of plantation crops.	Production and management technology of plantation crops.	22nd -28th Feb.'19				-	-	-						
	Cultivation practices of vegetables	Scientific package of practices of Tomato	25th -28th				-	-	-						
	Cultivation practices of vegetables	Scientific package of practices of potato	25th -28th				-	-	-						
	Cultivation practices of vegetab	Scientific package of practices of Potato	4th -8th ,March '19				-	-	-						

	les														
	Cultivation practices of vegetables	Scientific package of practices of Pea	4th -8th ,March '19				-	-	-						
	Value Addition	Processing and value addition of important vegetables in Meghalaya	4th -8th ,March '19				-	-	-						
	Value Addition	Practical- processing and value addition of common vegetables grown in Meghalaya	4th -8th ,March '19				-	-	-						
	Cultivation of fruit crops	Scope, importance and status of fruits production in Meghalaya	11th - 15thMarch '19				-	-	-						
	Value Addition	Practical - processing and value addition of common fruits grown in	11th -15th March '19				-	-	-						

		Meghalaya													
	Cultivation and maman gement practices of ornamental plants	Propagation techniques of important flowers	11th -15th March ’19				-	-	-						
	Cultivation and maman gement practices of ornamental plants	Practical-re-potting of house plant and propagation of gerbera	11th -15th March ’19				-	-	-						
Plant protection	Biological control	Organic farming	10th -13th April, 2018	4 days	KVK	Farmer & Farm women/ RY	-	-	-	4	27	31			
	Mushroom cultivation	Livelihood opportunities through	8th -11th May,18	4 days	KVK	Farmer & Farm women/ RY	-	-	-	16	8	24			
	IPM, Biological	Supplementary enterprises for doubling of farmer's income	12th-14th June,2018	4 days	KVK	Farmer & Farm women/ RY	-	-	-	14	11	25			

	control														
	Biological control	Biological control of insect pest and diseases in vegetables crop	10th-13th July'2018	4 days	KVK	Farmer & Farm women/ RY	-	-	-	4	22	26			
	Biological control , IPM	Improved Technologies for increasing income	13th -17th August, & 20th -24th August,2018	4 days 4 days	KVK	Farmer & Farm women	-	-	-	7 14	22 2	29 16			
	Biological control and Mushroom cultivation	Organic farming in hill agriculture and it's allied for increasing crop productivity and improving the livelihood	11th-14th September'18	4 days	KVK	Farmer & Farm women	-	-	-	8	2	10			
	IPM strategies	Principle and cultural practices of important crops and fisheries grown in East Khasi hills for rural youth	22nd -28th Feb'19	5 days	KVK	Farmer & Farm women	-	-	-	0	18	18			
	Biological	Improved agricultural technologies for	22nd -25th October'201	4 days	KVK	Farmer & Farm women	-	-	-	19	11	30			

	control	sustainability and increased crop productivity	8												
Agril. Extension	Biological control and bee keeping	Sustainable Agriculture, its allied activities and Rural Livelihoods	3rd -8th January, 2018	4 days	KVK	Farmer & Farm women	-	-	-	0	28	28	16	8	24
	Plant health management	Integrated Farming System for Livelihood Improvement of Small and Marginal Farmers	9th - 11th Jan'19	4 days	KVK	Farmer & Farm women	-	-	-	0	28	28	14	11	25
	Biological control, IPM, On farm production of bio agents	Skill training programme	4th -8th March' 19	5 days	KVK	Farmer & Farm women			9	5	14	9	4	22	26
	IPM, Biological control	Improved agricultural technologies-I	11th-15th March' 19	5 days	KVK	Farmer & Farm women			9	5	14	9	7 14	22 2	29 16
	Biological control, mushro	Livelihood opportunities through Agriculture and	25th-28th March'19	4 days	KVK	Farmer & Farm women			15	20	35	15	8	2	10

	om cultivation	allied activities													
	Formation and Management of SHGs	Improved agricultural technologies for sustainability and increased crop productivity	22nd -25th October'2018	4 days	KVK	Farmer & Farm women	-	-	-	19	11	30	19	11	30
	Mobilization of social capital in villages	Sustainable Agriculture, its allied activities and Rural Livelihoods	9th - 12thJanuary, 2018	4 days	KVK	Rural Youth				5	23	28	5	23	28
	Enterpreneurship development of farmers & Mobilization od Social Capital	Livelihood opportunities through Agriculture and allied activities	22nd – 28 Feb 2018	6 days	KVK	Rural Youths	-	-	-	0	18	18	0	18	18
	Mobilization of social capital in	Livelihood opportunities through Agriculture and allied activities	25th-28th March'19	4 days	KVK	Farmer & Farm women	-	-	-	15	20	35	15	20	35

	villages														
	Communication Skills & Entrepreneurship	Organic farming in hill agriculture and it's allied for increasing crop productivity and improving the livelihood	22nd – 28th March 19	5 days	KVK	Rural Youth	-	-	-	15	30	45	15	30	45

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Plant Pathology	Biological control	Organic farming	16th-19th April,2018	4 days	Mawjrong	Farmer & Farm women/ RY				8	7	35	8	7	35
	IPM, Biological control	Livelihood opportunities through Agriculture and allied activities	22nd -25th May,18	4 days	Pomblang	Farmer & Farm women/ RY	-	-	-	18	10	28	18	10	28
	IPM, Biological control, mushroo	Supplementary enterprises for doubling of farmer's	26th -29th June,2018	4 days	Pynter	Farmer & Farm women/ RY	-	-	-	33	33	0	0	33	33

	m cultivation	income													
	IPM	Plant Health management	6th September'18	1 day	IATC	EP	-	-	15	5	20	-	15	5	20
	Biological control, IPM, on farm production of bio agents	Organic farming in hill agriculture and it's allied for increasing crop productivity and improving the livelihood	17th & 19th -21st September '18	4 days	Pashang	Farmer & Farm women/ RY			9	39	48	9	39	48	48
	IPM	Plant Health management	10th Oct'18	1 day	IATC	EP	-	-	23	5	28	23	5	28	28
	Plant health management	Sustainable Agriculture, its allied activities and Rural Livelihoods	9th -12th January,2018	4 days	Laitdiengsai	Farmer & Farm women/ RY	-	-	5	23	28	5	23	28	28
	Biological control	Plant Health management	15th-18th January'2019	4 days	IATC	EP	-	-	0	16	16	0	16	16	16
	IPM	SHG and	18th -	3 days	Tynring	Farmer & Farm	-	-	0	15	0	15	15	15	15

		their role in agriculture development	20th Feb			women/ RY									
Fisheries	Integrated Farming System	Livelihood improvement of small and marginal farmers through Integrated Agriculture/Horticulture-fish production models	16-19 Apr, 18	4 days	Mawjrong	Farmer & Farm Women	-	-		12	23	35	12	23	35
	Pond Management	Composite Fish Culture for enhancing fish production	22-25 May, 18	4 Days	Pomblang	Farmer & Farm Women	-	-	-	8	20	28	8	20	28
	Pond Management	Composite Fish Culture for enhancing fish production	26-29 Jun, 18	4 Days	Pynter	Farmer & Farm Women	-	-	-	8	25	33	8	25	33
	Integrated Farming System	Livelihood improvement of small and marginal farmers through Integrated	29-30 Aug, 18	2 Days	Pashang	Farmer & Farm Women	-	-	-	10	3	13	10	3	13

		Agriculture/Horticulture-fish production models													
	Pond Management	Composite Fish Culture for enhancing fish production	17,28 Aug, 18	2 Days	IATC Upper Shillong	Rural Youth				15	15	30	15	15	30
	Integrated Farming System	Livelihood improvement of small and marginal farmers through Integrated Agriculture/Horticulture-fish production models	14 Aug, 18	1 Day	IATC	Extension Personnel	-	-	-	15	15	30	15	15	30
	Integrated Farming System	Livelihood improvement of small and marginal farmers through Integrated Agriculture/Horticulture-fish	6,17 Sept, 18	2 Days	IATC	Rural Youth				24	6	30	24	6	30

		production models													
	Integrated Farming System	Livelihood improvement of small and marginal farmers through Integrated Agriculture/Horticulture-fish production models	6,7 Dec, 18	2 Days	SIRD	Farmer & Farm Women				50	30	80	50	30	80
Agril. Extension	Managing Group Dynamics & Farm Planning and Budgetting	Livelihood opportunities through	8th - 11th May,18	4 days	KVK	Farmer & Farm women/ RY				16	8	24	16	8	24

	Formation and Management of SHGs	Supplementary enterprises for doubling of farmer's income	12th-14th June,2018	4 days	KVK	Farmer & Farm women/ RY				14	11	25	14	11	25
	Capacity Building for ICT	Biological control of insect pest and diseases in vegetables crop	10th-13th July'2018	4 days	KVK	Farmer & Farm women/ RY				4	22	26	4	22	26

	Formation and Management of SHGs&Farm Planning and Budgetting	Improved Technologies for increasing income	13th -17th August, & 20th -24th August, 2018	4 days 4 days	KVK	Farmer & Farm women				7 1 4	22 2	29 16	7 14	22 2	29 16
	Mobilization of social capital in villages	Organic farming in hill agriculture and it's allied for increasing crop productivity and improving the livelihood	11th-14th September'18	4 days	KVK	Farmer & Farm women				8	2	10	8	2	10

	Formation and Management of SHGs	Improved agricultural technologies for sustainability and increased crop productivity	22nd - 25th October '2018	4 days	KVK	Farmer & Farm women				19	11	30	19	11	30
	Mobilization of social capital in villages	Sustainable Agriculture, its allied activities and Rural Livelihoods	9th - 12thJanuary,2018	4 days	KVK	Rural Youth			5	23	28	5	23	28	28

	Enterpreneurship development of farmers & Mobilization od Social Capital	Livelihood opportunities through Agriculture and allied activities	22nd – 28 Feb 2018	6 days	KVK	Rural Youths	-	-	-	0	18	18	0	18	18
	Mobilization of social capital in villages	Livelihood opportunities through Agriculture and allied activities	25th-28th March'19	4 days	KVK	Farmer & Farm women	-	-	-	15	20	35	15	20	35

	Communication Skills & Entrepreneurship	Organic farming in hill agriculture and it's allied for increasing crop productivity and improving the livelihood	22nd – 28th March 19	5 days	KVK	Rural Youth	-	-	-	15	30	45	15	30	45

(D) Vocational training programmes for Rural Youth

Crop /	Date	Dura	Area of	Training	No. of Participants	Impact of training in terms of Self	Whether

Enterprise	(From – To)	tion (days	training	title*	General			SC/ST			Total			employment after training				Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Fisheries	18-23 March 2018	6	Integrated Farming System	Pond based Integrated Farming System for sustainability and profitability				5	10	15	5	10	15	-	-	-	-	

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
On	Rural Youth	18th - 23rd March, 2019	7 days	Plant Protection	IPM	IPM of vegetables	-	-	-	5	10	15	5	10	15	15	Rs.42, 000
Total	Rural Youth	18th - 23rd March, 2019	7 days	Plant Protection	IPM	IPM of vegetables	-	-	-	5	10	15	5	10	15	15	Rs.42, 000

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 2018-19

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
	Advisory services			152	-	-	-	-	-	3470	-	-	-	-	-	3470
	Diagnostic visit	• Field demonstration Package and practices of maize,rice,legumes • Nursery Management of Rice • Soil sample collection • Composting and harvesting of vermicompost	06-04-2018/1 day 03-05-2018/1 day, 09-05-2018/1 day, 18-06-2018/1 day, 21-06-2018/1 day, 09-07-2018/1 day, 12-07-2018/1 day 17-10-2018/1 day 08-11-2018/1day 16-11-2018/1 day, 23-01-2019/1 day.		-	-	-									
		• Late blight in tomato • Late blight in potato • Infestation by Cabbage butterfly • Yellowing in Frenchbean , • Powdery mildew in Gerbera	06-04-2018/1 day, 06 –05-2018/1 day, 23-05-2018/1 day, 18- 06-2018/1 day, 05 -07-2018/1 day, 24 -07-2018/1 day, 31 -07-2018/1 day, 02 -08- 2018/1 day, 10 -08- 2018/1 day, 14- 08-2018/1 day, 17-08’ 2018/1 day, 23-08. 2018/1 day, 28-08. 2018/1 day,	112				381	521	902	10	20	30	391	541	932

			20-09-2018/1 day, 12 -10-2018/1 day, 17-10-2018/1 day, 15 -03- 2019/1 day,														
		• Aphids infestation in rose • Insect infestation in grapes • Bacterial wilt of potato, • Late blight of tomato • Whiteflies in Gerbera, • Cutworms in Gerbera • Leaf spot of French bean, • Insect infestation in cabbage • soft rot of ginger, • powdery mildew in pea • gerbera, rust in pea • white grub in ginger and maize, • Rhizoctonia rot of pea	06- 04-2018/1 day 08-05-2018/1 day 07-05-2018/1 day 23-05-2018/1 day 23-07-2018/1 day 24-07-2018/1 day 31-07-2018/1 day 01-08-2018/1 day 10-08-2018/1 day 14-08-2018/1 day 21-08-2018/1 day 23-08-2018/1 day 20-09-2018/1 day 12-10-2018/1 day 17-10-2018 /1 day 16-11-2018/1 day 11-12-2018/1day 17-01- 2019/1 day 22-01- 2019/1 day 06-02- 2019/1 day 05-03- 2019/1 day 12-03- 2019/1 day 13-03- 2019/1 day 15-03- 2019/1 day 19-03- 2019/1 day 21-03- 2019/1 day 26-03- 2019 /1 day														
		• Lime application in the fish pond, • Application of fertilizers in the fish pond, • Releasing of fish fingerlings, • Breeding of Common carp • Harvesting of fish etc	03-04-2018//1 day 27-04-2018//1 day 30-04-2018/1 day 01-05-2018/1 day 10-05-2018/1 day 18-06-2018/1 day 21-06-2018/1 day 05-07-2018/1 day 16-07-2018/1 day														

			24-07-2018/1 day 22-08-2018/1 day 24-08-2018/1 day 29-08-2018/1 day 06-09-2018/1 day 12-09-2018/1 day 20-09-2018/1 day 28-09-2018/1 day 26-10-2018/1 day 29-10-2018/1 day 09-11-2018/1 day 12-11-2018/1 day 20-11-2018/1 day 04-02-2019/1 day 07-02-2019/1 day 21-02-2019/1 day 05-03-2019/1 day 07-03-2019/1 day													
		• Financial Management of SHGs, Marketing Problems of Farmers, Farm Management, etc	06-04-2018/1 day 12-04-2018/1 day 08-05-2018/1 day 07-05-2018/1 day 07-06-2018/1 day 05-07-2018/1 day 04-08-2018/1 day 17-08-2018/1 day 04-09-2018/1 day 11-09-2018/1 day 17-10-2018/1 day 12-11-2018/1 day 10-12-2018/1 day 12-12-2018/1 day 09-01-2019/1 day 17-01-2019/1 day 18-01-2019/1 day													
	Field day	• Organic Package and practices of Rice	08-11-2018/1 da	7	-	-	-	16	32	48	2	3	5	18	35	53

		cultivation						0	8	8	0	0	0	0	8	8
		• Field day on Organic production of frenchbean • Varietal Evaluation of Pea • Varietal Evaluation of Potato & Organic production of Cabbage.	18-06-2018/1 day 28-11-2018/1 day 29-11-2018/1 day 11-12-2018/1 day													
		•	16-11-2018/1 day 11-12-2018/1 day													
	Group Discussion	• Cultivation of baby corn : its advantages, source of seeds etc. • Organic sources of fertilisers for cereals • POP baby corn • Advantages of intercropping	06-04-2018/1 day 13-04-2018/1 day 03-05-2018/1 day 09-05-2018/1 day 18-05-2018/1 day 21-05-2018/1 day 09-07-2018/1 day 12-07-2018/1 day 19-11/-2018/1 day 23-01-2019/1day 18-02-2019/1 day 06-02-2019/1 day 12-02-2019/1 day 20-03-2010/1 day	109	-	-	-	498	623	1121	50	60	110	548	683	1231
		• Nursery Raising, • Rejuvenation of citrus orchards, • Scientific package of practices of common vegetables, • Cultivation of fruit crops, Propagation of ornamental crops, • Value addition,Storage processes	06-04-2018/1 day 13-04-2018/1day 06-05-2018/1day 23-05-2018/1day 09-06-2018/1day 09-06-2018/1day 18-06-2018/1day 21-06-2018/1day 25-06-2018/1day 05-07-2018/1day 24-07-2018/1day 31-07-2018/1day 02-08-2018/1day 10-08-2018/1day 14-08-2018/1day													

			17-08-2018/1day 23-08-2018/1day 28-08-2018/1day , 14-09-2018/1day 20-09-2018/1day 04-10-2018/1day 10-10-2018/1day 12-10-2018/1day 15-10-2018/1day 16-10-2018/1day 17-10-2018/1day 23-10-2018/1day 13-11-2018/1day 21--11-2018/1day 03--12-2018/1day 06--12-2018/1day 22-01-2019/1day23-01-2019/1day 25-01-2019/1day 29-01-2019/1day 30-01-2019/1day 18-02-2019/1day 19-02-2019/1day 22-02-2019/1day 28-02-2019/1day 15-02-2019/1day 18-03-2019/1day													
		• Use of biological control for management of insect pest and diseases in vegetables • Use of biopesticides for management of insect pests in rice, • Home remedies for management of insect pests and diseases in kitchen garden • Application method of *trichoderma* • major insects pest and diseases in ginger and their management • Major insects pest and diseases in pea and their management • Pest management in crops grown under	24-04-2018/1 day 07-05-2018/1day 26-06-2018/1day 23-07-2018/1day 24-07-2018/1day 31-07-2018/1day 10-08-2018/1day 14-08-2018/1day 21-08-2018/1day 23-08-2018/1day 04-10-2018/1day 10-10-2018/1day 12-10-2018/1day													

		protected cultivation • Integrated pest management in cole crops , advantages of biopesticides over pesticides • Use of neem and other plant products in organic farming, • Tuber treatment of potato with *trichoderma harzianum*, • Biological control of insect pest and diseases in fruit crops, • Use of methyl eugenol and cue lure for management fruit fly	15-10-2018/1day 16-10-2018/1day 17-10-2018/1day 23-10-2018/1day 17-01-2019/1 day 31-01-2019/1 day														
		• Group Dynamics, Financial Management of SHGs • Farm Planning and Budgetting, Marketing of Perishable agricultural products	24-04-2018/1 day 07-05-2018/1day 13-06-2018/1day 20-07-2018/1day 04-08-2018/1day 10-09-2018/1day 03-10-2018/1day 09-10-2018/1day 27-11-2018/1day 29-11-2018/1day 19-02-2019/1day 23-02-2019/1day														
	Kishan Gosthi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kishan Mela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Film show	• Webcasting of Prime Minister's speech • Nursery raising in pro-trays • Protective cultivation, • Landscaping • Cultivation practices of Anthurium • Web-casting of Pradhan Mantri Kisan Saman Nidhi	20-06-2018/1day, 21-08-2018/1day 14-09-2018/1day 20-09-2018/1day 21-11-2018/1day 25-01-2019/1 day 18-02-2019/1 day	41	-	-	-	320	324	644	75	70	145	395	394	789

			19-02-2019/1 day, 22-02-2019/1 day 18-02-2019/1 day 28-02-2019/1 day, 26-03-2019/1 day 27-03-2019/1 day														
		•	17-05-2018/1day 02-08-2018/1day 14-08-2018/1day 18-01-2019/1 day														
		Rice cum Fish Culture	14-08-2018/1 day 06-09-2018/1 day 30-11-2018/1 day 06-12-2018/1 day 23-01-2018/1 day 19-02-2018/1 day 27-03-2018/1 day														
		Entrepreneurship Development of farmers-case study of Shri. W. Lyngrah	12-04-2018/1 day 08-05-2018/1day 07-05-2018/1day 07-06-2018/1day, 05-07-2018/1day 04-08-2018/1day 17-08-2018/1day 04-09-2018/1day 11-09-2018/1day 17-10-2018/1day 12-11-2018/1 day 10-12-2018/1day 12-12-2018/1day 09-01-2019/1day 17-01-2019/1day 18-02-2019/1day														
	SHG formation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Exhibition	• Jackfruit festival,	06-07-2018/1day 24-08-2018/1day 05-	4	-	-	-	10	10	20	5	5	1	15	15	30

		• Piskot and Sohiong Festival, • Mushroom Festival, • Orange Festival	11-2018/1 day, 14-12-2018/1day					0	0	0	0	0	0 0	0	0	0
	Scientists visit to farmers fields		06-04-2018/1 day 03-05-2018/1day 09-05-2018/1day 18-06-2018/1day 21-06-2018/1day 09-07-2018/1day 12-07-2018/1day 17-10-2018/1day 08-11-2018/1 day 16-11-2018/1 day 23-01-2019/1day	103	-	-	-									
		• Diagnostic visit and monitoring of crops under OFT and FLD.	06-04-2018/1 day 13-04-2018/1 day 06-05-2018/1 day 23-05-2018/1 day 05-07-2018/1 day, 24-07-2018/1 day 31-07-2018/1 day 20-08-2018/1 day 02-11-2018/1 day 06-11-2018/1 day 05-03-2019/1day					33 6	46 2	79 8	2 5	3 0	5 5	36 1	49 2	85 3
		• Diagnostic visit • OFT • FLD • Field day	06-04-2018/1 day 12-04-2018/1 day 08-05-2018/1 day 07-05-2018/1 day 23-05-2018/1 day 23-07-2018/1 day 24 -07-2018/1 day 31--07-2018/1 day 01-08-2018/1 day 10--08-2018/1 day 14-08-2018/1 day 21--08-2018/1 day 23-08-2018/1 day													

			20--08-2018/1 day 12--10-2018/1 day 17-10-2018/1 day 16-11-2018/1 day 17-01-2019/1 day														
		• Lime application in the fish pond, • Application of fertilizers in the fish pond, • Releasing of fidh fingerlings • Breeding of Common carp • Harvesting of fish etc.	03-04-2018/1day 27-04-2018/1day 30-04-2018/1day 01-05-2018/1day 10-05-2018/1day 18-06-2018/1day 21-06-2018/1day 05-07-2018/1day 16-07-2018/1day 24-07-2018/1day 22-08-2018/1day 24-08-2018/1day 29-08-2018/1day 06-09-2018/1day 12-09-2018/1day 20-09-2018/1day 28-09-2018/1day 26-10-2018/1day 29-10-2018/1day 09-11-2018/1day 12-11-2018/1day 20-11-2018/1day 04-02-2019/1day 07-02-2019/1day 21-02-2019/1day 05-03-2019/1day 07-03-2019/1day 21-03-2019/1day														
		Trainings and Method Demonstrations	06-04-2018/1day 12-04-2018/1day 08-05-2018/1day 07-05-2018/1day 07-06-2018/1day 05-08-2018/1day														

			04-08-2018/1day 17-08-2018/1day 04-09-2018/1day 11-09-2018/1day 17-10-2018/1day 12-11-2018/1day 10-12-2018/1day 12-12-2018/1day 09-01-2019/1day 17-01-2019/1day 18-02-2019/1day													
	Plant/ Animal Health camp			0	-	-	-	-	-	-	-	-	-	-	-	-
	Farm science club			0	-	-	-	-	-	-	-	-	-	-	-	-
	Ex-trainee Sammelan			0	-	-	-	-	-	-	-	-	-	-	-	-
	Farmers seminar/ workshop	Organised a "One day Seminar on Agrotextiles"	20-04-2018/1day	2	-	-	-	65	55	120			0	65	55	120
	Method demonstration	• Cultivation of baby corn : its advantages, source of seeds etc. • Organic sources of fertilisers for cereals • POP baby corn • Advantages **of intercropping**	06-04-2018/1 day 24-04-2018/1 day 03-05-2018/1day 09-05-2018/1day	54	-	-	-	337	414	751	57	70	127	394	484	878
		• Nursery Raising in pro-trays • Nursery Raising in open field • Propagation of gerbera, Fruit and Vegetable Processing	06-04-2018/1 day 13-04-2018/1day 05-07-2018/1day 02-08-2018/1day 07-08-2018/1day													

		• Line sowing of vegetable crops • Planting of gerbera suckers.	23-08-2018/1day 27-08-2018/1day 20-09-2018/1day 15-03-2019/1day														
		• Rhizome treatment of ginger with trichoderma • Cultivation of oyster mushroom • Seed treatment of trichoderma in tomato seeds • Hands on training on cutting, boiling, shade drying of straw for preparation of mushroom beds • Hands on training on preparation of mushroom beds/polybags/ spawn running etc • On farm production of bio agents • Uses of ipm kits, foliar application of trichoderma in potato	24-04-2018/1day 25-06-2018/1day 29-06-2018/1day 11-07-2018/1day 31-07-2018/1day 01-08-2018/1day 20-08-2018/1day 20-09-2018/1day 22-10-2018/1day 14-11-2018/1day 17-01-2019/1day 22-01-2019/1day 08-03-2019/1day 14-03-2019/1day 12-03-2019/1day 11-03-2019/1day 28-03-2019/1day 19-03-2019/1day 20-03-2019/1day 21-03-2019/1day 21-03-2019/1day 22-03-2019/1day														
		• Rice cum Fish Culture • Composite Fish Culture • Fish cum Pig Culture	02-07-2018/1day 23-08-2018/1day 04-02-2018/1day 08-03-2018/1day														
		• Biofertilizer in Rice • Farm Planning and Budgetting	24-04-2018/1day 12-04-2018/1day 08-05-2018/1day 07-05-2018/1day 07-06-2018/1day 05-07-2018/1day 04-08-2018/1day 17-08-2018/1day														

	Celebration of important days	• Mahila kisan diwas • World Food Day • World soil Day • Farmers Parliament • Productivity day	15-10-2018/1day 16-10-2018/1day 06-12-2018/1day 04-12-2018/ 3days 05-12-2018 06-12-2018 12-02-2019/1day	4	-	-	-	80	110	190	8	12	20	88	122	210
	Exposure visits	Mawsiatkhnam village for IFS	21-03-2018/1day 12-04-2018/1 day	6	-	-	-	92	62	154			0	92	62	154
		Visit to TIMES Farm at Mawsiatkhnam.	12-04-2018/1day 20-03-2019/1day													
	Electronic media (CD/DVD)			0	-	-	-	-	-	-	-	-	-	-	-	-
	Extension literature	Training Manual		1	-	-	-	-	-	-	-	-	-	-	-	-
	Newspaper coverage	Press release on STRY training conducted by KVK,EKH	26-03-2019	5	-	-	-	-	-	-	-	-	-	-	-	-
	Popular articles			0	-	-	-	-	-	-	-	-	-	-	-	-
	Radio talk	• Excessive use of chemical fertilizers and their effect on agricultural land. • Circular Economy as part of Productivity Week	14-01-2019	3	-	-	-	-	-	-	-	-	-	-	-	-
	TV talk			0	-	-	-	-	-	-	-	-	-	-	-	-
	Training	Training Manual for SHG formation and		2	-	-	-	-	-	-	-	-	-	-	-	-

	manual	doubling farmers income														
	Soil health camp			0	-	-	-	-	-	-	-	-	-	-	-	-
	Awareness camp	Awareness programme on SASMIRA Textiles	15-10-2018/1day	1	-	-	-	16	14	30			0	16	14	30
	Lecture delivered as resource person	• Organic farming & its advantages • Composting • IWM • INM • Soil health management • Cropping Systems	18-04-2018/1 day 08-05-2018/1day 26-06-2018/1day, 19-11-2018/1day 09-01-2019/1day 23-01-2019/1day 06-02-2019/1day 18-02-2019/1day 27-03-2019/1day	78	-	-	-	512	619	1131	50	25	75	562	644	1206
		• Nursery Raising, Rejuvenation of citrus orchards • Scientific package of practices of common vegetables • Cultivation of fruit crops • Propagation of ornamental crops • Value addition,Storage processes	15-06-2018/1day 31-07-2018/1day 02-08-2018/1day 06-08-2018/1day 14-08-2018/1day 13-08-2018/1day 17-08-2018/1day 21-08-2018/1day 23-08-2018/1day 27-08-2018/1day 28-08-2018/1day 14-09-2018/1day 20-09-2018/1day 12-10-2018/1day 21-11-2018/1day 22-11-2018/1day 03-12-2018/1day 06 -12-2018/1day 23-01-2019/1day 25-01-2019/1day 29-01-2019/1day 30-01-2019/1day													

			18-02-2019/1day 19-02-2019/1day 22-02-2019/1day, 26-02-2019/1day 27-03-2019/1day														
		• Biopesticides. Home remedies for kitchen garden, • On farm production of bio agents • Use of Biopesticides for management of insect pests and diseases in potato • Insect pests and diseases management in tomato and Cabbage • Insect pests and diseases in Arecanut • Use of Biopesticides for management of insect pests and diseases cabbage and Pea • Use of Biopesticides for management of insect pests and diseases in tomato, mustard and pea • Use of Biopesticides for management of insect pests and diseases cabbage, Cauliflower, carrot, Radish and Pea, • Description, edibles types, natural growth aspects and climatic requirement commercial cultivation of button mushroom • Low cost production of oyster mushroom • Description, edibles types, natural growth aspects and climatic requirement commercial cultivation of button mushroom • Low cost production of oyster mushroom, • Role of biopesticides for management of insect pest and diseases in potato crop • Role of biopesticides for management of	24-04-2018/1 day 17-05-2018/1 day 21-05-2018/1 day 25-06-2018/1 day 29-06-2018/1 day 31-07-2018/1 day 01-08-2018/1 day 02-08-2018/1 day 13-08-2018/1 day 14-08-2018/1 day 16-08-2018/1 day 21-08-2018/1 day 23 -08-2018/1 day 28 -08-2018/1 day 06 -08-2018/1 day 17 -08-2018/1 day 12-08-2018/1 day 17-01-2019/1 day 22-01-2019/1 day 18-01-2019/1 day 31-01-2019/1 day 19 02-2019/1 day														

		insect pest and diseases in potato crop													
		• Site Selection and construction of a fresh water fish farm • Composite Fish Culture • Culture and breeding of ornamental fishes • Integrated fish farming	28-06-2018/1day 23-07-2018/1day 14-08-2018/1day 06-08-2018/1day 17-08-2018/1day 30-11-2018/1day 06-12-2018/1day 07-12-2018/1day												
		• Entrepreneurship Opportunities in Agri &Hort Sectors • Project Management • Financial Management • Functioning of SHGs.	24-04-2018/1day 18-05-2018/1day 03-08-2018/1day 10-08-2018/1day 16-08-2018/1day 23-08-2018/1day 29-08-2018/1day 28-08-2018/1day 16-09-2018/1day 05-02-2019/1day												
	PRA		07-05-2018/1day 04-08-2018/1day 04-09-2018/1day 17-10-2018/1day 10-12-2018/1day	5	-	-	-	85	105	190			0	85	105	190
	Farmer-Scientist interaction	During diagnostic visits, exhibitions, exposure visit, trainings and field visits	06-04-2018/1day 13 -04-2018/1day 06 -05-2018/1day 23-05-2018/1day 09-06-2018/1day 11-06-2018/1day 18-06-2018/1day 21-06-2018/1day 25-06-2018/1day 05-07-2018/1day 24-07-2018/1day 31-07-2018/1day	62	-	-	-	265	485	750	86	100	186	351	585	936

			02-08-2018/1day 10-08-2018/1day 14-08-2018/1day 17-08-2018/1day 23-08-2018/1day 28-08-2018/1day 14-09-2018/1day 20-09-2018/1day 04-09-2018/1day 10-09-2018/1day 12--09-2018/1day 15--09-2018/1day 16-09-2018/1day 17-09-2018/1day 23-09-2018/1day 13-11-2018/1day 21-11-2018/1day 03-12-2018/1day 6 -12-2018/1day 22-01-2019/1day 23 -01-2019/1day 25 -01-2019/1day 29-01-2019/1day 30-01-2019/1day 18-02-2019/1day 19 -02-2019/1day 22 -02-2019/1day 28-02-2019/1day 15-03-2019/1day 18-03-2019/1day													
		• Use of biological control for management of insect pest and diseases in vegetables • Use of biopesticides for management of insect pests in rice, home remedies for management of insect pests and diseases in kitchen garden • Application method of *trichoderma*, major	06-04-2018/1day 12-04-2018/1day 08-05-2018/1day 07-05-2018/1day 23-05-2018/1day 23-07-2018/1day 24-07-2018/1day 31-07-2018/1day														

		insects pest and diseases in ginger and their management, • Major insects pest and diseases in pea and their management, • Pest management in crops grown under protected cultivation, integrated pest management in cole crops , • Advantages of biopesticides over pesticides, • Use of neem and other plant products in organic farming • Tuber treatment of potato with *trichoderma harzianum*, • Biological control of insect pest and diseases in fruit crops, use of methyl eugenol and cue lure for management fruit fly	01-08-2018/1day 10-08-2018/1day 14-08.2018/1day 21-08.2018/1day 23-08.2018/1day 20.09.2018/1day 12-10.2018/1day 17-10-2018/1day 16-11.2018/1day 11-12-2018/1day 17-1 jan19/1 day														
		Kisan Kalyan Karyashala Sohra	02-05-2018/1day														
	Soil test campaign			0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mahila Mandal Convener meet			0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Training/workshop attended	• Attended Annual ZonalWorkshop at Tripura, ATMA Orientation programme, Training on Hydroponics at IARI,NewDelhi	8^{th} -10^{th} June'18, 19^{th} and 20^{th}July'18, 15^{th} -17^{th}Nov.'18	2	-	-	-	-	-	-	-	-	-	-	-	-	-
		• Zero budget natural farming • Annual zonal workshop • Follow up of TREYSEFA	26-04-2018/1day 08-10th -06-2018/2day 11-06-2018/1day														

		• Master Training of Spices • Mushroom festival • Soh iong and indigenous fruit show • Biological control • Rodent pest management	04-10-2018/1day 05-11-2018/1day 20-11-2018/1day 03 to 07 -12-2018 /2days 11 to 15 02-2019 /1day													
	Meetings attended	Attended Review meeting with Agriculture Production Commissioner	18-07-2018/1day	1	-	-	-	-	-	-	-	-	-	-	-	-
	Valedictory programme	Conducted Valedictory Programme for the RAWEP students at KVK centre.	13-04-2018/1day	1	-	-	-	11	9	20				11	9	20
	Visitors to KVK,EKH	ATMA officials from Gujarat	11-06-2018/1day	1				8	-	8				8	-	8
Grand Total				**759**	=	=	=	**3258**	**4231**	**7489**	**431**	**467**	**898**	**3689**	**4698**	11865

3.5 Production and supply of Technological products during 2018-19

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Rice	Shahsarang	90	40000	-	90	90
OILSEEDS	Maize	DA61-A	50	25000	-	50	50
PULSES	Pea	Arka priya	50	100000	-	50	50

VEGETABLES	-	-	-	-	-	-	-
FLOWER CROPS	-	-	-	-	--	-	-
RHIZOMES	Ginger	Vareda	50	40000	-	50	50
TUBER	Potato	Kufri Himalini	50	15000	-	50	50
Total	Total		29 q	220000	-	290	290

A1. SUMMARY of Production and supply of Seed Materials during 2018-19

Sl. No.	Major group/class	Quantity (q) produced	Quantity (q) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
					General	SC/ST	Total
1	CEREALS						
2	OILSEEDS						
3	PULSES						
4	VEGETABLES						
5	FLOWER CROPS						
6	OTHERS						
TOTAL							

B. Production and supply of Planting Materials (Nos. in No.) during 2018-19

Major group/class	Crop	Variety	Quantity (In No.) produced	Quantity (In No.) suppliedced	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
						General	SC/ST	Total
CEREALS	Rice	Shahsarang	90	40000	-	-	90	90
OILSEEDS	Maize	DA61-A	50	25000	-	-	50	50
PULSES	Pea	Arka priya	50	100000	-	-	50	50
VEGETABLES	-	-	-	-	-	-	-	-
FLOWER CROPS	-	-	-	-	--	--	-	-
RHIZOMES	Ginger	Vareda	50	40000	-	-	50	50
TUBER	Potato	Kufri Himalini	50	15000	-	-	50	50

FOREST SPP.	-	-	-	-	-	-	-	-
PLANTATION CROPS	-	-	-	-	-	-	-	-
MEDICINAL PLANTS	-	-	-	-	-	-	-	-
OTHERS (PL. SPECIFY)	-	-	-	-	-	-	-	-
TOTAL	-	-	29 q	220000	-	-	290	290

C. Production of Bio-Products during 2018-19

Major group/class	**Product Name**	**Species**	**produced Quantity**		**Value (Rs.)**	**Number of Recipient /beneficiaries**		
			No	**(qt)**		**General**	**SC/ST**	**Total**
BIOAGENTS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
BIOFERTILIZERS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
BIO PESTICIDES	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
LIVESTOCK STRAINS/ FINGERLINGS (NOS. IN LAKH)	**-**	**Common carp var *communis***	**100000**	**-**	**100000/-**	**-**	**100000**	**100000**

D. Production of livestock during 2018-19

Sl. No.	**Type/ category of livestock**	**Breed**	**Quantity**		**Value (Rs.)**	**Number of Recipient beneficiaries**		
			(Nos)	**Kgs**		**General**	**SC/ST**	**Total**
1	**Cattle/ Dairy**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
2	**Goat**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3	**Piggery**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
4	**Poultry**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
5	**Fisheries**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
6	**Others (Specify)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**

3.6. Literature Developed/Published (with full title, author & reference) during 2018-19

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):Annually, March 2018-2019

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies	
			Produced/ published	Supplied/ distributed
Research papers	-	-	-	-
Training manuals	1.Ka Kot jingbatai shaphang ki Mat kumno ban Seng ia ki SHG bad banpyn arshah ia ka jingioh u Nongrep 2. Ka Training Manual jog ka Riu Dohkha 3. Ka Kot training ban iada ia ki khniang bad jingpag ha ki jhur 4. Ka lot training ban rep jhur bad ki soh	S. Marbaniang, SMS Extension S. Malngiang, SMS Fisheries B.Chyne, SMS Plant Protection A. Lyngdoh, SMS Agronomy	**500**	**200**
Technical Report	-	-	-	-
Book/ Book Chapter	-	-	-	-
Popular articles	-	-	-	-
Technical bulletins	-	-	-	-
Extension bulletins	-	-	-	-
Newsletter	**KVK East Khasi Hills Newsletter 2018-19**	-	500	500
Conference/ workshop proceedings	-	-	-	-
Leaflets/folders	**Vermicomposting(Ka ba shna Sbohwieh) .Fish cum Pig Culture**	A. Lyngdoh, SMS Agronomy S. Malngiang, SMS Fisheries	500	500
e-publications				
Any other (Pl. specify)	-	-	-	-
TOTAL	-	-	1500	1200

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

(C) Details of Electronic Media Produced

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

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

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

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

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

3.10 Indicate the specific training need analysis tools/methodology followed for: PRA, Questionaire and Interview Schedule

- Identification of courses for farmers/farm women
- Rural Youth
- Extension personnel

3.11 Field activities

i. Number of villages adopted : 8
ii. No. of farm families selected : 400
iii. No. of survey/PRA conducted : 8

3.12. Activities of Soil and Water Testing

Status of establishment of Lab : Mridaparikshak Mini Lab established

1. Year of establishment : 2014
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1	-	Mridaparikshak	Nagarjuna	3	2.5
Total		-	-	-	-

3. Details of samples analyzed (2018-19) :

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	80	100	4	-
Water Samples	16	16	4	-
Plant Samples	-	-	-	-
Petiole Samples	-	-	-	-
Total	96	116	8	-

1. Details of Soil Health Cards (SHCs) (2018-19)

a. No. of SHCs prepared :100
b. No. of farmers to whom SHCs were distributed :100
c. Name of the Major and Minor nutrients analysed :NPK
d. No. of villages covered : 4 (Four)

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	**135**	**3294**	**2**	**96**	**-**	**-**	**-**	**-**	**4**	**20**	**12**	**60**	**153**	**3470**
Voice only	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Voice and Text both	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total	**135**	**3294**	**2**	**96**	**-**	**-**	**-**	**-**	**60**	**80**	**-**	**-**	**-**	**3470**

3.14 Contingency planning for 2018-19

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Drought	Introduction of new variety or crop	5		350	350
Flood	Introduction of new variety or crop	5		350	350
Drought	Introduction of Resource Conservation Technologies	5		350	350
Cyclone	Distribution of seeds and planting materials	5		350	
Drought	Distribution of seeds and planting materials	5		350	350
Flood	Distribution of seeds and planting materials	5		350	350

a. Livestock based Contingency planning

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

4.0. IMPACT

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

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

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 established during 2018-19

Name of organization	Nature of linkage
1. ATMA	Training and method demonstration
2. MAMETI	Training and method demonstration
3. SIRD	Training and method demonstration
4. Social Service centre (SSC)	Training and method demonstration
5. DTO	Training and method demonstration

6. BATC	Training and method demonstration
7. PNB- RSETI	Training and method demonstration
8. SPVS, Lafarge	Training and method demonstration
9. AROH foundation	Training and method demonstration
10. NESFAS	Training and method demonstration
11. Extension Education Institute, Jorhat	Trainers for OFF campus training of Extension Personnel
12. Meghalaya State Fisheries Research and Training Institute	Training and method demonstration

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 2018-19

Name of the scheme/ special programme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
-	-	-	-	-

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	**Frontline demonstration**	**Training and demonstrations**	

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	-	-	-

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1	-	-	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2018-19

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit (Name and No.)	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety/ species/ breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	IFS	2017	0.25	Silver carp, Grass carp Common Carp / Cross bred pigs/ Horticulture crops	Table sized fish, Pork meat	190 kgs	150000	250000	Horticulture + Vermicompostin g under developmental process

2	`Vermicompost unit	2017	0.01	Eisinia foetida	Vermicompost and vermi wash	2250 kgs	20000	56250	Vermicompost produced was used in the farm and for conducting trials
3.	Poly tunnel	2017	0.05	Planting materials	Seedlings/saplings	10000 nos	7000	13440	Supplied to farmers
4.	Poly houses	2012	0.3	Flower cuts/vegetable	Cut flowers/vegetables/suckers	2000 nos cut flowers, 500 kgs vegetable	7000	10500	
5.	Anti hail net	2017	0.1	Plum trees (Santarosa)	Fruits	80 kgs	4000	4000	Only one harvest done so far
6	Water harvesting structure	2018	0.02	-	-	-	-	-	-

6.2 Performance of instructional farm (Crops) including seed production during 2018-19

Name of the crop	**Date of sowing**	**Date of harvest**	**Area (ha)**	**Details of production**			**Amount (Rs.)**		**Remarks**
				Variety	**Type of Produce**	**Qty.**	**Cost of inputs**	**Gross income**	
Cereals									
Rice	-	-	-	-	-	-	-	-	-

Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Pulses									
Green gram	-	-	-	-	-	-	-	-	-
Black gram	-	-	-	-	-	-	-	-	-
Arhar	-	-	-	-	-	-	-	-	-
Lentil	-	-	-	-	-	-	-	-	-
Ay other	-	-	-	-	-	-	-	-	-
Oilseeds									
Mustard	-	-	-	-	-	-	-	-	-
Soy bean	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Fibers									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
i.	-	-	-	-	-	-	-	-	-

ii.	-	-	-	-	-	-	-	-	-
Floriculture									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Fruits									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Vegetables									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
a. Others (specify)									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-

6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.) during 2018-19

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

6.4 Performance of instructional farm (livestock and fisheries production) during 2018-19

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Fish	Common carp var. communis	Fingerlings	100000 nos	10000	90000	Produced and distributed to the farmers

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Unit/ structure during 2018-19

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

6.6. Utilization of hostel facilities (Month-Wise) during 2018-19

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	-	-	-	-	-

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 Ltd.	G.S. Road , Main Branch, Shillong	702002313833
Revolving Fund	-	-	-

7.2 Utilization of funds under CFLD on Oilseeds and Pulses (Rs. In Lakhs) if applicable during 2018-19

Item	Released by ICAR/ATARI (in lakh)		Expenditure (in lakh)		Unspent balance as on 31st March, 2018
	Amount	Amount	Amount	Amount	
Inputs	-	-	-	-	-
Extension activities	-	-	-	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	-	-	-	-	-

7.3 Utilization of KVK funds during the year 2018-19

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	95,00,000.00	95,00,000.00	94,91,384.00
2	**Traveling allowances**	3,00,000.00	3,00,000.00	3,00,000.00
3	**HRD**	1,10,000.00	1,10,000.00	1,10,000.00
4	**Contingencies**	17,00,000.00	17,00,000.00	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			4,51,069.80
B	POL, repair of vehicles, tractor and equipments			1,43,595.00
C	Meals/refreshment for trainees			2,34,601.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			1,90,399.00
E	Frontline demonstration except oilseeds and pulses			3,10,174.000
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			1,99,826.00
G	Training of extension functionaries			-
H	Maintenance of buildings			1,70,000.00
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**1,16,10,000.00**	**1,16,10,000.00**	**1,16,01,048.80**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	30,000.00	30,000.00	30,000.00
3	**Vehicle** (Four wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		30,000.00	30,000.00	30,000.00
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**1,16,40,000.00**	**1,16,40,000.00**	**1,16,31,048.80**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance with KVK (in lakh)
April 2016 to March 2017	-	-	-	-
April 2017 to March 2018	-	-	-	-
April 2018 to March 2019	-	-	-	-

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 and Suggestion (Provide point-wise if any, for recommendation)

(a) Administrative

(b) Financial

(c) Technical

Annexure I : Proceeding of SAC Meeting

Proceedings of the Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, East Khasi Hills District held on 28th January, 2019.

The Scientific Advisory Committee Meeting was chaired by Shri. R. Langstieh, Director of Agriculture (R&T), Government of Meghalaya, who welcomed all the members present and appreciated them for dedicating their precious time to attend the meeting. The following were the members present in the house

Sl. No.	Name	Designation	Signature
1.	Shri. R. Langstieh	Director (R&T),Directorate of Agriculture, Govt. Of Meghalaya	Sd/-
2.	Smti. B. Wahlang	Senior Scientist and Head, KVK, E.K.H. District	Sd/-
3.	Smti. Divya Parisa	Scientist, ICAR-ATARI,Umiam	Sd/-
4.	Shri. A. Lamare	D.S.W.C.O, Plantation Crops, Shillong	Sd/-
5.	Smti. S. Kharpuri	D.A.O Shillong	Sd/-
6.	Smti. P. Kharkongor	S.D.A.O Shillong	Sd/-
7.	Smti. A.D. Nongbri	ADH, East Khasi Hills,Shillong	Sd/-
8.	Dr (Mrs.) L. Pale	A.H& Vety. Officer Livestock Inspector, Shillong	Sd/-
9.	Shri. P.R. Lyngdoh	Fishery Officer	
10.	Shri. W.L. Narry	SDO(WR) Shillong	Sd/-
11.	Smti. S. L. Dkhar	Project Director,ATMA, East Khasi Hills District	Sd/-
12.	Smti. R.M.L. Marbaniang	Programme Executive, AIR Shillong	Sd/-
13.	Shri. Nicholas J.J. Nongkhlaw	Programme Executive, Doordarshan Shillong	Sd/-
14.	Shri. Anikhet Chettri	Programme Assistant, DDK, Shillong	Sd/-
15.	Shri. S. Marbaniang	SMS, Extension Education, KVK, E.K.H. District	
16.	Smti. A. Lyngdoh	SMS, Horticulture, KVK, E.K.H. District	Sd/-
17.	Smti. B. Chyne	SMS, Plant Protection, KVK, E.K.H. District	Sd/-
18.	Shri S. Malngiang	SMS, Fisheries, KVK, E.K.H. District	Sd/-
19.	Shri. B. Syiemlieh	Farm Manager, KVK, E.K.H. District	Sd/-
20.	Smti. A.Lyngdoh	SMS, Agronomy, KVK, EKH. District	Sd/-
21.	Shri. K.A. Muktieh	Programme Assistant, Computer, KVK, E.K.H. District	Sd/-
22.	Smti. T. Thabah	Progressive Farmer, Smit village	Sd/-
23.	Shri K.W. Lyngrah	Progressive Farmer, Mawsiatkhnam village	Sd/-

At the start of the meeting, the chairperson requested Smti. B. Wahlang, Senior Scientist and Head, KVK, E.K.H. District to give the welcome address to the members present in the house. Further the chairperson requested Shri. S. Marbaniang, SMS, Extension Education, KVK, E.K.H. to read out the minutes of the proceedings of the last SAC held on the 23rd January, 2018 which was accepted by all the members present in the meeting.

The suggestions given by the members present in the house were as follows:

1. Shri. R.Langsieh, Joint Director (R&T):

(a) Suggested SMS (Plant Protection) to tie up with State Biological Control Laboratory for procurement of *Trichoderma viridae*, *T. harzianum* and supplying to the farmers. He also suggested to collaborate with the Ginger Development farm for the procurement of ginger rhizomes.

(b) Enquired from Shri. W. Lyngrah, farmer from Mawsiatkhnam, about the performance of ginger cultivation at his village and encouraged him to study the performance of ginger grown by him under the guidance of KVK scientist and the crop grown through their own knowledge. Shri. W. Lyngrah informed the chairman that he has adopted the technology disseminated by the office of the KVK and has stopped the practice of removal of mother rhizome. He stated that this practice has benefitted him a lot as now he has observed that there is less incidence of rhizome rot.

(c) Enquired about the concept of Rural composting from SMS (Agronomy) and was given a satisfactory reply by the said SMS. SMS (Agronomy) stated that the composting will involve the use of wastes from the kitchen and vermicomposting, providing vermibeds to farmers interested in conducting the trials. He further enquired if Panchakavya and Jeevamrit were disseminated by the KVK Scientists to the farmers. SMS (Extension Education) informed him that since they were not proven technologies of ICAR, the KVK Scientists cannot disseminate these technologies.

(d) Advised SMS(Fisheries) to tie up with Fisheries department in dissemination of the technologies mentioned in the OFT's and FLD's. In addition he suggested SMS (Fisheries) to take up Rice-Fish culture in the warmer areas of the district.

(e) Enquired about Kisan Melas conducted by KVK, EKH. With regard to his query, SMS(Extension Education) explained that the KVK conducts such melas and is linking up with ATMA for similar programmes. Smti. S.L. Dkhar, Project Director, ATMA also confirmed the same.

(f) In conclusion, Shri. R.Langsieh, Joint Director (R&T), advised the office of the KVK to conduct demonstrations on Panchakavya and Jeevamrit. He suggested the popularisation of Tree tomato by the office of the KVK and to take up issues related to pests and diseases of fruit crops.

2. Smti. Divya Parisa, Scientist, ICAR:

(a) Advised SMS (Agronomy) to introduce 2-3 new varieties of babycorn for comparison between the varieties and to also take a local check for the demonstration. She further advised to expand the marketing of babycorn by linking the farmers with local restaurants. Farm Manager replied that in the past KVK, EKH had approached the local restaurants for the same and it was felt that there was a need to process the babycorn to avail a better and wider market.

(b) Advised the use of Nadia variety of Ginger and to contact Kerela Agriculture University for supply of ginger rhizomes.

(c) Suggested to take up trials on sweetcorn. With regard to this, Farm manager replied that KVK, EKH had already done trials on sweetcorn in the past.

(d) Advised SMS (Plant Protection) to take up Button Mushroom in her trials and to go for multitier system of cultivation. SMS (Plant Protection) explained that she gives training and demonstrations on Button Mushroom however in the current situation it is difficult to get a steady supply of spawns of Button Mushroom for conducting trials.

(e) Enquired if there are any external projects that are being implemented by the office of the KVK. SMS (Fisheries) said that in the previous year he had implemented training Projects/ Demonstrations sponsored by NFDB. Also, SASMIRA in collaboration with the office of the KVK have provided shadenets, vermicompost units etc. to selected farmers of East Khasi Hills district. SMS (Horticulture) also informed Smti. Divya Parisa that KVK, EKH had sent a proposal on Hydroponics in the past few months however till date the funds have not been sanctioned.

(f) Enquired about the planting time of Tomato var. Pusa Rohini. SMS (Horticulture) replied that the nursery raising for tomato starts in the month of March.

(g) Suggested to incorporate No. of days to maturity/crop duration for the trials on carrot and cabbage. She furthermore suggested to use a check variety for both. This was duly noted by SMS(Horticulture).

(h) Enquired about the pests of cabbage. SMS (Plant Protection) gave a satisfactory reply.

(i) Suggested to take up fruit crops as part of the trials of KVK. SMS (Horticulture) and SMS (Plant Protection) informed Divya Ma'am that they have been giving trainings on various fruit crops, training and pruning and also done method demonstrations on Citrus Rejuvenation in few villages of East Khasi Hills.

3. Shri. P.R. Lyngdoh, Fishery Officer, enquired about the stocking ratio of fishes in Rice cum Fish culture practice. This enquiry was met with a satisfactory answer from SMS (Fisheries).

4. Shri. A. Lamare, D.S.W.C.O, Plantation Crops, suggested the collaboration of Soil department with KVK for improved agricultural technologies.

5. Smti. T. Thabah, farmer (Smit village) voiced her problems concerning the performance of potato tubers. Shri. R.Langsieh, Joint Director (R&T) explained to her that the performance of potato tubers will decline after 3-4 years due to degeneration.

6. W. Lyngrah, farmer from Mawsiatkhnam, shared with the house that in the past he cultivated ginger variety Suprabha and found that it was a good variety and was thriving at Mawsiatkhnam village. However this variety was discontinued and he had requested the house to help in procuring the ginger variety in the near future.

The meeting concluded with a formal vote of thanks from Shri. S. Malngiang, SMS, Fisheries, KVK, E.K.H. District to all the members present in the house.

Sr. Scientist cum Head