Action Plan of KVKs
ICAR-ATARI, Umiam
(2020)

ICAR-Agricultural Technology Application Research Institute

Zone-VII, Umiam, Meghalaya-793103

PREFACE

Greetings from Team ICAR-ATARI, Umiam!

The ICAR- Agricultural Technology Application Research Institute (ATARI), Umiam with its headquarters at Umiam, Meghalaya is primarily responsible for systematic coordination, monitoring and reviewing of mandated activities such as technology assessment, demonstrations, planting material production, training programmes and other extension activities of 43 KVKs in five North Eastern States of India, viz. Manipur, Meghalaya, Mizoram, Nagaland and Tripura. In addition, the institute is also engaged in formulation and implementation of need based research projects as part of strengthening agricultural extension research and knowledge management. During the year 2019, the institute has been successful in implementing three externally funded projects like NICRA,CFLD Oilseeds and Pulses and seed hub (Pulses); four internally funded projects ARYA, Farmers FIRST Programme, NEMA, DAMU and various special programmes like NARI, KSHAMTA,VATICA, HYDROPONIC, Micro-Irrigation ,STRY (Skill Training for Rural Youth) sponsored by MANAGE, Hyderabad. Besides, flagship programmes like Mera Gaon Mera Gaurav (MGMG), Krishi Kalyan Abhiyan I and II, Awareness programme on PM Kisan Sanman Nidhi, Swachhta Hi Sewa etc. were also successfully implemented.

KVKs in the zone are performing multi-dimensional roles, starting from mandated activities such as technology assessment, demonstration, resource conservation methods, introduction of cutting-edge techniques, and up-scaling at one end, and envisioning entrepreneurial opportunities in rural areas, providing vocational/ skill training to rural youth, women folks on the other end. These institutions are also effectively using the latest tools of ICT in dissemination of information for extended reach with richness. The core activities of KVKs are being implemented in their district agro-ecological and farming systems in accordance with the set targets and action plan for the year.

The institute published its first Action Plan document in 2018 for the year 2018-19 through concerted efforts of its scientists and staff. This year Action Plan document (2019-20) includes lists of discipline-wise details of technologies to be assessed, demonstrated in farmers' field and the areas of need based and location specific training programmes to be undertaken by the KVKs under zone during the period.

I express my sincere thanks and gratitude to Dr. T. Mohapatra, Secretary, DARE & DG, ICAR, Govt. of India, Dr. A.K. Singh, DDG (AE), Dr. V.P. Chahal, ADG (AE), Dr.Randhir Singh Poswal, ADG (AE) and all the colleagues of Agricultural Extension Division in the Council HQ for their constant encouragement, guidance and support in executing the mandates of the institute. I also thankfully acknowledge the commendable efforts and contributions made by Dr. A.K. Singha (Pr. Scientist) and his entire team including contractual staff of the institute in bringing out this publication within a stipulated time period.

Place: Umiam, Meghalaya
Date: July, 2020

(Bidyut C. Deka)
Director

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Introduction

The ICAR-Agricultural Technology Application Research Institute (ATARI), Zone-VII with its headquarters at Umiam, Meghalaya is primarily responsible for coordination, monitoring and reviewing the technology assessment, refinement, demonstration, training programmes and other extension activities conducted by KVKs in the zone which comprises of five states of Manipur, Meghalaya, Mizoram, Nagaland and Tripura against the set targets and action plan. Besides, the institute is also engaged in providing guidance to the KVKs to accomplish its technical activities, ensuring flow and access of technologies to the KVKs, enabling the Directorate of Extension Education and Agricultural Technology Information Centre (ATIC) in the zone to oversee and strengthening of the activities of KVKs. The ICAR-ATARI, Zone-VII also takes up need based Human Resource Development (HRD) programmes for KVK staff with adequate financial support, liaisoning with different stakeholders and other line departments in the concerned states. Presently, the zone has 43 KVKs in 5 NEH states with 14 under ICAR Research Complex for NEH Region, Umiam, 19 under Directorate of Agriculture (Meghalaya-3, Manipur-1, Mizoram-7, Nagaland-4 and Tripura-4), 1 under NRC on Mithun, Jharnapani, Nagaland, 5 under Central Agricultural University, Imphal, 1 under Nagaland University and 3 under Non-Government Organisation (NGO).

KVKs in Zone-VII

KVKs are the grass-root level institutions, the spectrum of their mandated and core functions are enlarged to address all the day-to-day issues of farming community in a seamless manner. Currently, the KVKs in the zone are performing multi-dimensional roles, starting from core activities such as technology backstopping, resource-conservation methods, introduction of cutting-edge techniques, and up-scaling at one end, and envisioning entrepreneurial opportunities in rural areas, providing vocational/skill training to rural youth, women folks on the other end. These Institutions are also effectively using the latest tools of ICT in dissemination of information for extended reach with richness.

The mandate of KVK is *Technology Assessment and Demonstration for its wider Application and to enhance Capacity development (TADA-CD).* To implement the mandate effectively through creation of awareness about improved agricultural technologies, the following activities have been defined for each KVK.

i. On-farm testing to assess the location specificity of agricultural technologies under various farming systems.
ii. Out scaling of farm innovations through frontline demonstration to showcase the specific benefits/ worth of technologies on farmers' fields.
iii. Capacity development of farmers and extension personnel to update their knowledge and skills in modern agricultural technologies and enterprises.
iv. Work as Knowledge and Resource Centre for improving overall agricultural economy in the operational area.
v. Conduct frontline extension programmes and provide farm advisories using ICT and other media on varied subjects of interest to farmers
vi. Data documentation, characterization and strategic planning of farming practices.

KVKs, while acting as a single window Agricultural Technology Information Centre (ATIC), also produce quality technology related inputs/products (seeds, planting materials, bio-agents, livestock, fingerlings etc,) and make them available to farmers. Besides, they also identify and document important farmer-led innovations and converge with ongoing schemes and programmes within the mandate of KVK.

Action Plan of KVKs

An **Action Plan** is a document that lists what steps must be taken in order to achieve a specific goal. The purpose of an action plan is to clarify what resources are required to reach the goal, formulate a timeline for when specific tasks need to be completed and determine what resources are required. In KVK system, a well-developed action plan can serve as a blueprint for the Kendra to break a general objective down into smaller and specific ones, more manageable SMART (Specific, Measurable, Attainable, Realistic and Time-based) goals. SMART is a best practice framework for setting goals. A SMART goal should be **s**pecific, **m**easurable, **a**chievable, **r**ealistic and **t**ime-bound. Often used for performance reviews, the acronym is intended to help an in-charge or other scientists of the KVKs who are tasked with setting goals and objectives to clarify exactly what will be required for achieving success and to be able to share that clarification with others.

KVK is designed to have expertise on three areas of development such as (a) human resources which includes training and capacity building of farmers, rural youth, extension functionaries, members of women self help groups and other target clientele, (b) technology resources by conducting technology assessment, refinement and demonstration to evolve location and site specific need based and viable technologies, and (c) natural resources by way of dissemination of knowledge on conservation and management in order to play a significant role in cost reduction and optimum farm income there by making farming system as a whole to sustain for the future generations.

Technologies developed at the research institutes need proper assessment and refinement for a particular location, before disseminating on a larger scale through Frontline demonstrations. Further, the skills related to these technologies are to be transferred to the clientele properly through training programmes. In addition, good quality seeds, planting materials, livestock and their materials, bio-products etc. have to be produced and supplied to the farmers for the effective adoption. Technologies also reach the masses through various extension activities like kisan mela, publications, field days, seminars, workshops, farmers visit to KVKs etc. KVKs do all these activities with the aim and objective of achieving sustainable growth in agriculture and its allied sectors in their respective districts. Thus, KVKs are the integral component of the National Agricultural Research System (NARS), which aim at development and promotion of location specific technology modules in agriculture and its allied enterprises, through Technology Assessment, Refinement and Demonstrations.

KVK-wise summary of Action Plan and Target for 2020

Sl No.	KVK	O FT/ technology	No. of Trial	No. of FLD	Trainings						Ext. Activity		Seed prod. (in tonnes)	Pl. materials (No.)	Livestock strains/fingerlings (No.)	Mob. Agro. Advisory (No. of Farmers)	No. of message	Soil & water sample testing (No.)	SHCs (No.) to be distributed to farmers
					Farmers		RY		EP										
					No. of Trg.	No. of parti	No. of Trg.	No. of parti	No. of Trg.	No. of Parti	No. of activity	Part (No.)							
I.	**MANIPUR**																		
1	Bishnupur	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
2	Chandel	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
3	Churachandpur	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
4	Imphal East	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
5	Imphal West	10	30	100	25	375	20	300	10	150	70	10030	30	10000	5000	300	100	200	250
6	Senapati	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
7	Tamenglong	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
8	Thoubal	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
9	Ukhrul	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
Total		**106**	**318**	**900**	**225**	**3375**	**180**	**2700**	**90**	**1350**	**630**	**90270**	**270**	**90000**	**69000**	**2700**	**900**	**1800**	**2250**
II.	**MEGHALAYA**																		
1	East Garo Hills	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
2	East Khasi Hills	10	30	100	25	375	20	300	10	150	70	10030	30	10000	5000	300	100	200	250
3	Jaintia Hills	10	30	100	25	375	20	300	10	150	70	10030	30	10000	5000	300	100	200	250
4	Ri-Bhoi	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
5	South Garo Hills	12	36	100	25	375	20	300	10	150	70	10030	30	10000	8000	300	100	200	250
6	West Garo Hills	6	18	100	25	375	20	300	10	150	70	10030	30	10000	5000	300	100	200	250

7	West Khasi Hills	10	30	100	25	375	20	300	10	150	70	10030	30	10000	5000	300	100	200	250
Total		**72**	**216**	**700**	**175**	**2625**	**140**	**2100**	**70**	**1050**	**490**	**70210**	**210**	**70000**	**44000**	**2100**	**700**	**1400**	**1750**
III.	**MIZORAM**																		
1	Aizawl	12	36	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
2	Champai	12	36	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
3	Kolasib	10	30	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
4	Lawngtlai	10	30	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
5	Lunglei	10	30	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
6	Mamit	10	30	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
7	Saiha	10	30	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
8	Serchipp	10	30	100	25	375	20	300	10	150	70	10030	30	10000	3000	300	100	200	250
Total		**84**	**252**	**800**	**200**	**3000**	**160**	**2400**	**80**	**1200**	**560**	**80240**	**240**	**80000**	**24000**	**2400**	**800**	**1600**	**2000**
IV.	**NAGALAND**																		
1	Dimapur	8	24	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
2	Kiphire	12	36	45	25	375	20	300	6	150	30	5000	10	3000	2000	200	100	50	200
3	Kohima	12	36	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
4	Longleng	3	9	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
5	Mokokchung	12	36	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
6	Mon	12	36	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
7	Peren	6	18	50	25	375	20	300	6	150	20	3000	10	3000	3000	200	100	50	200
8	Phek	8	24	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
9	Tuensang	12	36	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
10	Wokha	10	30	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
11	Zunhebeto	12	36	100	25	375	20	300	10	150	70	10020	30	10000	3000	300	100	200	250
Total		**107**	**321**	**995**	**275**	**4125**	**220**	**3300**	**102**	**1650**	**680**	**98180**	**290**	**96000**	**32000**	**3100**	**1100**	**1900**	**2650**
V.	**TRIPURA**																		

1	Dhalai	12	36	100	30	700	20	300	10	200	70	10020	30	10000	3000	300	100	200	250
2	North Tripura	8	24	100	30	700	20	300	10	200	70	10020	30	10000	3000	300	100	200	250
3	South Tripura	10	30	100	30	700	20	300	10	200	70	10020	40	10000	3000	300	100	200	250
4	Khowai(earlier W.T)	12	36	100	30	700	20	300	10	200	70	10020	50	10000	3000	300	100	200	250
5	West Tripura	6	18	100	25	405	15	405	10	125	20	3000	20	3000	3000	200	100	200	250
6	Gomati	10	20	100	25	405	15	405	10	125	20	3000	20	3000	3000	200	100	200	250
7	Unakoti	10	20	100	25	405	15	405	10	125	20	3000	20	3000	3000	200	100	200	250
8	Sepahijala	10	30	100	25	405	15	405	10	125	20	3000	20	3000	3000	200	100	200	250
Total		**78**	**214**	**800**	**220**	**4420**	**140**	**2820**	**80**	**1300**	**360**	**52080**	**230**	**52000**	**24000**	**2000**	**800**	**1600**	**2000**
Grand Total		**447**	**1321**	**4195**	**1095**	**17545**	**840**	**13320**	**422**	**6550**	**2720**	**390980**	**1240**	**388000**	**193000**	**12300**	**4300**	**8300**	**10650**

I. KVK-wise Details of Technology for On-Farm Testing (OFT) 2020

Discipline	Thematic Area	Name / Details of Technology	Source (Year) of release	Area (ha)/ No.	No. of trials	Location/ Village
KVK Bishnupur, Manipur						
Agronomy	Varietal evaluation	T_1-Varietal performance of groundnut var. Girnar-3 with improved agronomic practices during *kharif* season **Technology details:** T_2- ICGS-76 (Widely adapted in acidic soil of Manipur). T_3- TAG-24 (Farmers' practice)	ICAR-Directorate of Groundnut Research, Junagadh, Gujarat, 2010	1	5	Salankonjil, Saiton and Kumbi
	Varietal evaluation	T_1–Varietal performance of blackgram var. IPU 02-43 with improved agronomic practices during *kharif* season. **Technology details:** T_2–T-9 (Widely adapted in Manipur.) T_3–IPU-94-1 (Farmers' Practice)	IIPR, Kanpur, 2009	1	5	Saiton, Kumbi and Salankonjil
	Varietal evaluation	T_1-Varietal performance of field pea var. IPF 4-9 with improved agronomic practices during *rabi*season **Technology details:** T_2–Rachna (Widely grown in Manipur.) T_3–IPF5-19 (Farmers' Practice.)	IIPR, Kanpur, 2009	1	5	Kwasiphai, IrengbamLeimaram and Kumbi
Horticulture	Varietal evaluation	Potato local cvs: *Aberchaibi&Kakching mamma alu* **Technology details:** Seed rate: 1800 kg/ha Spacing: 60 cm x20cm FYM: 10t /ha NPK:120:120:60 kg/ha Farmers' variety: Lady Rosette	CAU, Imphal 2016	0.5	5	Utlou. Potshangbam&Kwashiphai, Langpok&Kumbi
	Integrated Nutrient Management	T_1- Seed rate: 500 g/ha, Spacing: 45x30 cm, Application of FYM @ 5 tons/ha, Biofertilizers, Azospirillium and Phosphobacteria @ 25kg each/ ha at the time of land preparation T_2- Seed rate: 500 g/ha, spacing : 45x30 cm, Application of Vermicompost @ 5t /ha T_3-Farmers' practice : Seed rate: 500 kg/ha Spacing:45x30 cm Application of urea @ 225kg/ha, SSP @ 500kg/ha, MOP @ 160kg/ha	TNAU-2016	0.5	5	Kumbi, Saiton, Kwasiphai, Leimaram&Ningthoukhong
Home Science	Nutritional diet for children/ Pregnant women	Assessment of nutritional status for nutrition security by anthropometry method	AAU, Jorhat 2017	-	10	

	Clothing	Protective clothing for agriculture and allied activities	AAU Jorhat 2017	50 farmers	10	Kumbi, Oinam, Nambol, Leimaram, Khoijuman
Fisheries	Pond management	Performance of rohu (*Labeorohita*) spawn for fry production in nursery rearing technology based on water depth requirement – 1m; 0.75 m & 0. 50 m while stocking @ 1 spawn (1 .0 lakh) per 100 m^2 for a duration of 30 days following the normal package and practices of carp seed production practices.	CIFA ICAR, Bhubaneswar (2019)	0.01	3	Naorem, Sanjenbam and Thiyam
	Feeding management	Performance of catla (*catlacatla*) spawn fed with feed mixtures having 32% protein spawn for fry production while stocking @ 1 spawn (1 lakh) per 100 sq^2 for a duration of 30 days following the normal package and practices of carp seed production practices and feeding daily ad libitum .	CIFA ICAR, Bhubaneswar (2017)	0.01	3	Khordak Keibullamjao and Kumbi
Plant Protection	Integrated Pest Management	Management of diamond back moth in cabbage by releasing *Trichogrammachilonis@* 20,000/acre 4-6 times at weekly intervals.	Directorate of plant protection, Faridabad, Haryana 2015	3	10	Nambol
KVK Chandel, Manipur						
Agronomy	Integrated Nutrient Management	Integrated nutrient management in rapeseed-mustard **Technology details:** T1. Rapeseed-mustard (var. PM-27 with 100% RDF (40:20:20 kg N:P:K/ha) +20 kg/ha Zn+5t/ha FYM + Lime) T2. Rapeseed-mustard (var. PM-27 with 50% RDF (40:20:20 kg N:P:K/ha) +20 kg/ha Zn+5t/ha FYM + Lime) T3. (Control) Rapeseed-mustard (var. PM-27 grown as farmer practice)	IARI, New Delhi (2011)	0.75	3	Chandonpokpi, lambung
	Cropping system	Maize (HQPM-5) -vegetable pea (Azad) cropping system Groundnut (ICGS-76)- vegetable pea (Azad) cropping system Farmer practice (maize based mixed cropping)-pea	ICAR Research Complex for NEH Region Manipur Centre (2017)	0.75	3	Riverlane, Lamphoupasna
Horticulture	Varietal evaluation	Package of practices for French bean (Arkakomal/ Anupam) **Technology details:** **T-1:** (FYM @ 10t/ha + Manures & Fertilizers NPK @60:60:40 kg/ha) **T-2:** (FYM @ 10t/ha + NPK @	ICAR, Umiam, CAU, 2017	0.75	3	Chamdil Christian, Berukhudam, Japhou

		100-120:60:60 kg/ha) **T-3:** Local practice + Radom plantation + without seed treatment+Fertilization without recommended dosages)				
	Organic cultivation	Cultivation practices of organic Cabbage (Green Hero) **Technology details:** **T1:** Neem cake powder @ 250 gm + Trichoderma viride @ 50gm + 25 gm Pseudomonas florescens + Rock phosphate @ 375kg/ha + Vermicompost @ 5 t/ha +Pheromone traps & Yellow sticky traps) **T_2:** FYM@50 kg/ha+Vermicompost @5 t/ha + Trichoderma@5% horn manure@75g/ha + Neem cake @1250kg/ha + Biofertilizers, Azosperillium and phosphobacteria @ 25kg each/ha + Cow pat pit @ 5kg/ha in 100 litres of water) **T-3:** Radom plantation (improper spacing)+ locally available vegetable wastes/cow dung/pig dung/poultry manures without recommended dosages)	ICAR, Umiam, 2019 & TNAU, 2016	0.5	3	Panchai, Hnatham
Home Science	Value addition	Preparation of guava cheese	Horticulture Division ICAR, Barapani 2014	5 nos.	5	Chandolpokpi
	Value addition	Assessment of dehydration technique of Mushroom	NRC,Mushroom Solan (Himachal Pradesh) 2016	5 nos.	5	Modi
Animal Science	Lower body weight due to poor feeding and management	Feeding of locally available feeds with probiotics on Kamarupa birds	C V Sc Khanapara 2017	NA	5	Kapam, Chandonpokpi
	Lower body weight gain and small litter size of desi pig	Performance of Lumsioniang pig	ICAR, Barapani, 2018	NA	3	Liwa Chanin, Chandonpokpi
Plant Breeding	Varietal / hybrid evaluation	Varietal Performance of Soybean for higher productivity per unit area **Technology details:** T1: DSB -19 (105 to 115 days to maturity and tolerance to rust) T2:JS-97-52 (Crop duration-98 to 102 days, Wide adaptable, high yielding and multiple resistant variety) T0: JS-335 (Crop Duration 95-100 days, Wide adaptability,	UAS Dharwad, 2015 (T1) JNKVV, Jabalpur, 2008 (T2) JNKVV, Jabalpur 1994 (T0)	0.25	3	Chandonpokpi, Mantripantha & Japhou village

		resistance against girdle beetle and stem fly, tolerant to green mosaic and moisture stress)				
	Varietal / hybrid evaluation	Varietal Performance of Hybrid Maize HQPM Series **Technology details:** T1: Pusa Vivek QPM-9 Improved (Quality Protein Maize, 83-85 days maturity.) T2: HQPM-5 (Quality Protein Maize.98 days maturity) T0: HQPM-1 Check (Quality Protein Maize, 8 -9 days maturity.)	IARI, New Delhi, 2017 (T1) CCSHAU, Uchani, Karnal 2010 (T2) CCSHAU, Uchani, Karnal 2007 (T0)	0.25	3	Modi, Old Wangparal& Japhou village
Agricultural Engineering/SWCE	Drudgery reduction	Paddy drum seeder	TNAU, 2015	1.5	3	Japhou MonsangPantha
	Resource conservation	Half moon terrace for papaya	FAO, 1985	1.5	3	Chandonpokpi
KVK Churachandpur, Manipur						
Horticulture	Crop Production	Performance of Tomato var. Arka Samrat and ArkaAbhed.	IVRC, IIHR, Bangalore (2018)	0.5	3	Thingkangphai, New Mata,Bohnluivillage
	Crop Production	Performance of French bean var. Arka Arjun and Arka Sharath.	IIHR, Bangalore, 2018	0.5	3	Rengkai, M.Goshen, Bethlehem
Plant Protection	Integrated Pest Management	Management of aphid in broad bean	NIPHM, Hyderabad 2015	0.3	3	Lukhumbi, Sagang, KVK Farm
	Integrated Pest Management	Management of false smut (*Ustilaginoideavirens*) disease in paddy	ICAR-NOFRI, Tadong, Sikkim, 2014	1	3	Yaiphakhol, Ngathal, New mata
Animal Science	Feeding management	Concentrate feeding supplemented partially by seasonally available vegetable (10%) in fattening pig	NRC on pig Rani (2013)	NA	3	Saihenjang, Pearsonmun village
	Breed evaluation	Evaluation of new germplasm for backyard poultry production (Kadaknath)	JNKVV, Jabalpur (2010)	NA	4	Kangvai, Pearsonmun village
Fisheries	High value crops	Performance of high value fish (Pengba) in hill condition	CIFRI, 2015	1	3	Kaprang village
	IFS	Integrated Paddy cum fish culture	ICAR, Umiam, 2013	0.5	3	Saitonkhunou village
Home Science	Value addition	Performance evaluation of dehydrated Broccoli	IIHR, Bangalore, (2016)	NA	3	Saihenjang, Torbung , K. Salbung
	Value addition	Introduction of Squash(Chow chow) Bari	College of Home Science, Tura (2014)	NA	3	Kangvai, Bethal, Koite
Agro-forestry	Utilization of abandoned Jhum land	Performance of Broom grass in abandoned Jhum land - Improvement of fallow land	SFRI, Arunachal Pradesh, 2013	0.75	3	Hengkot Village, Pearsonmun, KVK Farm
	Nutrient management	Nutrient mgmt. in Tree bean (*Parkiaroxburghii*)	ICAR Manipur Centre, 2016	1	3	Thingchom
KVK Imphal East, Manipur						

Agronomy	Varietal evaluation	Performance Evaluation of Green gram variety Tripura Moong – 1 **Technology details:** Seed rate: 20-25 kg / ha Spacing: 30 cm x 10 cm Seed treatment: Thiram 2 g + carbendazim 1gm / kg seed Rhizobium and PSB Culture: 7-10 g / kg seed *Trichoderma veridae*: 5-7 g / kg seed Fertilizers :- 20 kg : 50 kg: 30 kg NPK / ha as basal Weed management: Pre emergence application of Pendimethalin @ 1 kg / ha in 400-600 l of water	ICAR Research Complex for NEH Region, Tripura Centre, 2018	1	5	Andro HuikapNungbrung
	Varietal evaluation	Performance of short duration, high yielding field pea variety TRCP- 9 **Technology details:** Seed rate: 80 kg / ha Fertilizer : 20:40:30 kg NPK/ha Spacing : 30 cm x 10 cm Seed treatment : Rhizobium 10ml/kg seed **T_1:** IPFD I-10 (Check) **T_2 :**TRCP-9	ICAR Research Complex for NEH Region, Tripura Centre, 2018	0.5	5	PukhaoAngtha Nungbrung
	Varietal evaluation	Performance Evaluation of Toria var. TRC T-1-1-5-1 under zero tillage cultivation **Technology details:** Seed rate: 14 kg/ha (Mixed with sand 1:1 and broadcast) Fertilizer rate: 40:20:20 kg NPK/ha	ICAR Research Complex for NEH Region, Tripura Centre, 2018	1	5	Andro Nungbrung Sawombung
Horticulture	Varietal evaluation	Performance evaluation of Tripura Papita var. RCTP1 **Technology details:** Spacing: 1.8 × 1.8 m Planting: May-June Seed rate: 500 g/ha	ICAR, Tripura Centre, Lembucherra (2014)	1	3	Phaknung Porompat Huikap
	Varietal evaluation	Performance evaluation of Onion variety- Bhima Dark Red and Bhima Shakti **Technology details:** Seed Rate: 3 kg/ha Spacing: 15x10 cm Period: Late Kharif	Directorate of Onion and Garlic Research, Pune 2011	0.5	3	Andro Top Chingtha Huikap
	Varietal evaluation	Performance evaluation of new pigmented French Bean variety- MZFB 48 **Technology details:** Seed rate: 25-30 kg/ha Spacing: 60-65 cm x 10-12 cm Period: Sep- Feb	ICAR Mizoram Centre, Kolasib 2014	0.07	3	Uchol Keirao Langdum

Plant Protection	Integrated Pest Management	Management of Diamond Back Moth and Cabbage Butterfly in Cabbage for Higher Productivity **Technology details:** Variety: Rareball Spray of Neem Seed Kernal Extract 0.03% @ 5ml/ha at 10 days interval starting from 20 DAT for 4 times Farmer Practice	University of Horticulture and Forestry, Solan 2015	0.6	3	Nungbrung Uchol Phaknung
	Integrated Disease Mgmt	Management of Early blight and late blight of potato **Technology details:** Protective spraying of Mencozeb 75% & Zineb 75% WP @ 2gm/litre alternatively 4 times at 20 days interval from 20 DAT. Trichoderma Harzianum @ 2.5kg + 100kg of FYM at 10-15 days before sowing + Foliar application of Trichoderma Harzianum and Pseudomonas Florescens @ 5ml each at 10 days interval 3 times from 20 DAT Farmer Practice	TNAU, August 2015 & State Biological Control Laboratory, Shillong 2008	0.6	3	Unambol, Andro, Uchol
Fisheries	Fish breeding	Monoculture of *Heteropneustes fossilis* (Ngachik) **Technology details:** Stocking density:50-60 seed/m2 Feeding rate: 5 % body weight Stocking time: July-Dec Feeding method: Broadcasting Culture period: 6 months	Central Institute of Freshwater Aquaculture, Bhubaneswar, 2015	0.001	5	Imphal East
	Feeding management	Periphyton based fish farming **Technology details:** T1**:** Stocking density – 8000 fingerling/ ha Feed: MOC + Rice Bran (1:1) Feeding rate – 3 % body weight Culture time – April - Sept Culture period – 6 month Substrate: Bamboo Pool T2: Water Reed Based	Central Institute of Freshwater Aquaculture, Bhubaneswar, 2015	0.75	3	Imphal East
	Fingerling production	Fingerling production using cage system **Technology details:** Cage size: 4 ft x 8 ft x 4 ft Stocking density: 140/ m3 Feeding rate: 5 % body weight Feeding interval: twice a day Feed: Pellet floating feed (20-25 % Protein) Culture period: 45 days	Rajiv Gandhi Centre for Aquaculture, TN, 2010	200 ft^2	5	Imphal East
Home Science	Utilization of waste materials (Bio-degraded)	Evaluation of leftover watermelon rind candy preparation **Technology details:** • Cut rind of watermelon,	Navsari Agricultural University, Navsari, Gujarat, 2017	5 units	5	Nungbrung Andro NongadaPukhao

		green portion of rind & peeled with stainless steel knife • Cut into cuboids of (1.5 cm x 1.5cm) with thickness of (1.0 – 1.5 cm) • Blanched cuboids of white rind in boiling water for 5 min • Addition of 100 g sugar directly with 100 g blanched. • Raised the sugar syrup to 10ºbrix and keep over night • Repeat process till 70ºbrix • Rinse with boiling water for 5 to 10 seconds • Dry/dehydrate candy				
	Value Addition	Utilisation of Squash for preparation of Wadi **Technology details:** T_1: Squash incorporated wadi T_2: Plain black gram wadi • Treated squash (40%) mixed with KMS @ 1.5 g / kg • Whisking of blackgram paste @ 60% • Addition of spice mixture • Mixing of squash, blackgram paste and spices • Division into small ball spread over oil smeared tray • Dry in hot air oven or sun drying for 14-16 hr	College of Community Science, Tura, CAU (I), 2016	5units	5	Andro, Top Chingtha, Nongdum, Top Dushera
Agricultural Engineering	Resource conservation technologies (Zero tillage, drip irrigation, laser leveller etc.)	Performance evaluation of Gravity Fed Inline Drip Irrigation system in increasing Tomato Yield **Technology details:** Crop: Tomato var. Arka Rakshak Spacing:45cm x 45 cm Area: 0.25 ha Irrigation Scheduling: Every three days	College of Agri. Engg. and PHT, Ranipool, 2012	0.75	3	AndroYairipokNungbrung
	Evaluation of tools and implements (performance index, working efficiency etc.)	Performance Evaluation of Hand Crank Rice Transplanter for hilly area and small plot area **Technology details:** Crop: Paddy var.CAU-R3 No. of Row:2 Spacing: R-R 20cm Hill to Hill Distance:10 cm	TNAU, 2012	3 units	3	Andro, Top Chingtha, Nungbrung
	Storage structure	Low Cost Pusa Concentric Onion Storage structure **Technology details:** Concentric cylinder structure: 5 tier Capacity: 250 Kg (5 tier)	IARI, 2012	3 units	3	Andro, Top Chingtha, Nungbrung

		Material: Bamboo and Wooden Planks. Inner and outer walls : 25mm dia bamboo Base of tier: 740 mm x 740 mm perforated wooden planks				
KVK Imphal West, Manipur						
Agronomy	Varietal evaluation	Performance of Rajmah variety on yield. **Technology details:** TO-1 = VL Rajma 125 TO-2 = Local cv. (check)	Almorah, 2008	0.75	3	Lamlongei, Maklang, Khurkhu
	Lime application	Performance of lime application on productivity of maize **Technology details:** TO1 = Furrow application of lime @ 500kg/ha TO2 = No lime under farmers practice (check)	Soil Science Section, (Division of NRM), ICAR RC NEHR, Umiam,2014	0.75	3	Leikinthabi, Sekmai, Sangaithel
Plant Breeding	Varietal evaluation	Assessment of foxtail millet varieties under *rainfed* condition (New)	RARS, Nandyal, ANRAU, 2011 & 2012	0.25	3	Khurkhul, Lamdeng, Changangei
	Seed production	Evaluation of parents for seed production for F1 hybrids (Repeat)	VPKAS, Almora, 2013	0.25	3	Khurkhul
SWCE	Integrated Water Management	Performance of different mulching system in king chilli **Technology details:** TO-1 = Paddy husk mulching TO-2 = Paddy straw mulching	CIAE, 2014	0.1	2	Ngairangbam, Taothong
	Protected cultivation	Promotion of walking poly tunnel for off season tomato production **Technology details:** TO1 = Walking poly tunnel TO2 = Farmers practice(check)	TNAU, 2010	0.01	2	Ngairangbam, Sagoltongba
Animal Science	Varietal evaluation	Assessment of Kadaknath chick as alternate source of meat	Central Avian Research Institute, MP, ICAR- 2018	5 units	5	Keibung, Laiphrakpam, Wangoi, Mayang Imphal, Sekmai
	Integrated Farming System/ Integrated Crop Management	Integrated farming system poultry-fish-vegetables	ICAR, Umiam, 2013	0.75	3	Khurkhul, Mayang Imphal, Keibung village
Horticulture	Varietal / hybrid evaluation	Varietal evaluation of strawberry under Manipur condition	ICAR, Umiam	0.1	3	Leiprakpham, Khurkhul, Phumlou
	White Button Mushroom	Evaluation of commercial Button Mushroom Production (2nd year)	DMR, Solan - 2013	3 units	3	Sagoltongba, Wangoi, Upokpi
Agricultural Extension	Impact Assessment	Impact Assessment of Agricultural Technologies in the Adopted Village of Imphal West	Evaluation and Impact Assessment of		5	Wangoi

		district (Pre- and Post Technique)	Technologies and developmental Activities in Agri., Fishery and Allied Field- (2015)			
	Case study	Case study of Watermelon Production in Haorangsabal Block of Imphal West district (Descriptive)	Case Study Research: Design and Method- Robert K Yin (2013)		15	Phumlou&Haorangsaba
KVK Senapati, Manipur						
Horticulture	Varietal evaluation	Early production of garden pea var. Arkel for higher income **Technology details:** TO1:Early sowing at last week of August TO2:First week of October Seed rate- 80kg/ha Spacing - 30x 10 cm NPK- 20:50:20 kg/ha	CAU, Imphal, 2015	1	6	Noon pani, Mayangkhang
	Off season crop cultivation	Offseason cultivation of cabbage **Technology details:** TO1**:** Sowing during off season months (May & June) TO2: Sowing during Normal season (Oct- Nov) Spacing 45X45 cm FYM @ 5t/ha, NPK @ 80:60:60 kg/ha	ICAR Imphal, 2013	1	4	TaphouPhyamai, T. Khullen
Plant Breeding & Genetics	Varietal evaluation	Varietal evaluation Jhum paddy **Technology details:** TO1: Var. CAU R2, (Duration- 95-100 days, potential yield = 25q/ha) TO2: Var. RC Maniphou6 , (Duration- 100-105 days, potential yield = 48-54q/ha) TO3: Local check	CAU, Imphal, 2016 ICAR, Manipur Centre, 2000	1	6	New Selsi, Hengbung
	Varietal evaluation	Performance evaluation of late sown rapeseed variety TS- 67 in rice-based cropping system **Technology details:** TO1: Var. TS 67 (Duration – 90 days, Potential yield= 7-10q/ha) TO2:TS36 (Duration – 95-100 days, Potential yield= 12 q/ha)	RARS, AAU, Shillongani, 2012	1	6	Sadukoireng, New Saikul
Plant Protection	Integrated Pest Management	IPM of onion leaf miner **Technology details:** • Application of parasitoids Trybliographarapae or Aphaeresminuta • Application of Imidachloprid @ 0.02% at initial stage of	CAU, Imphal, 2015	1	4	Siangai&Nungang

		infestation				
	Integrated Pest Management	IPM of FAW on maize **Technology details:** • Seed treatment with Thiomethoxam 19.8% @ 4ml/kg seed • Use of microbial pesticide Metarhiziumanisopliae talc formulation @ 5g/l whorl application at 15-25 DAP, twice at 10 days interval • Application of Neem seed kernel oil/ Azadirachtin 1500 ppm @ 5ml/l, Chlorantraniliprole 18.5% @ 0.4ml/l at early whorl to late whorl stage	ICAR, Manipur Centre, 2019	1	4	Toribari
Animal Science	Breed introduction	Introduction of kamrupa poultry **Technology details:** Kamrupa birds (dual purpose, multicoloured	AAU, Khanapara 2014	5 units (125 birds)	5	Toribari, Purul
		Introduction of Kadaknath birds **Technology details:** Kedaknath birds Hardy, highly resistant to disease, low fat and cholesterol content, high protein	Nanaji Deshmukh Veterinary Science University, Jabalpur, MP	5 units (125 birds)	5	Wainem, Rikhumeitaphou
		Introduction of new pig variety Lumsniang **Technology details:** Climate resilient, better adaptability in hill ecosystem, live body wt. of 90-100 kg at 12 months	ICAR, Barapani, 2017	3 unit (6 pigs)	3	Hengbung, Mayangkhang
Fisheries	Pond management	Performance evaluation of Pengba fish in composite culture system **Technology details:** Stocking of IMC, Exotic carp &pengba @ 8000 nos./ha, catla 20%, silver carp 10%, Rohu 30%, Pengba 10%, Mrigal 15%, C. carp 15	COF, CAU, 2015	0.5	5	Leilon, T. Khullen, Molhoi
	Fish breeding	Seed production of improved variety of Common carp (Amur carp **Technology details:** Species: Amur carp Hormone: Ovaprim/Ovatide Dose of hormone-female :0.3ml-0.5ml/kg body weight Male: 0.2-0.3ml/kg body weight Sex ratio (F:M)-1:2	CIFA, 2015	4 units	4	Senapati, Makhan
Agri-extension	Project evaluation	Impact study of CFLD pulses on yield, cropping intensity		25 respondent	25	CFLD demo village

				s		
	Crop evaluation	Technology gap analysis of recommended package of practices for production of tomato and farmers practice		25 respondents	25	Makhan, Punanamei village
KVK Thoubal, Manipur						
Agronomy	Integrated Farming System/ Integrated Crop Management	Performance evaluation on Rice based cropping system (Rice-Chickpea/Lentil) **Technology details:** Rice: Var. RCM 10 Seed rate: 60 kg/ha Spacing: 15x15 cm Date of transplanting: July 1st week Fertilizer dose: 60:40:30 kg NPK/ha Duration-June-Oct Chickpea: Var. JG-16 Lentil: var. Hul 57 Seed rate: 60 Kg/ha Spacing: 40x10 cm Date of transplanting: 2nd Week of November Fertilizer dose: 15:40:15 Kg NPK/ha Duration –Nov-March	RARS Shillongani, AAU, 2015	1.25	5	Ingourok, Waikhong, HijamKhunou, Thawai, wangjing
	Integrated Farming System/ Integrated Crop Management	Seed priming of Lentil Seeds soaking for 6 hours in water & then bringing down to almost original weight by drying under shade before sowing. **Technology details:** Seed rate: 40 Kg/ha Spacing: 25 cm between rows Sowing time: Mid Oct – Mid Nov Fertilizer dose: 15:35:15 Kg NPK/ha	RARS Shillongani, AAU, 2015	1.25	5	WangjingSerou, Heirok, Heitupokpi, Bengi
Plant breeding & Genetics	Varietal evaluation	Hybrid maize VL-55 cultivation **Technology details:** Seed rate: 20 kg/ha Sowing time: August Fertilizer: NPK 150:70:70	ICAR-Almora, 2017	0.5	5	KakchingWabagai
	Seed Production	Evaluation of rice var. RC Maniphou-12 (T1) as contingency crop compared with CAU R-3 (Mangal) (T2) and Pari phou(T3) **Technology details:** Rice var. RC Maniphou 12 (T1) CAU R-3 (Mangal) (T2) and Pari (T3) under direct seeded condition (last week of August) Seed rate: 45 kg/ha Fertilizer: NPK 40:30:30 kg/ha	ICAR, Manipur Region 2015	0.5	5	Khangabok, Wangjing, uchiwa

		Weeding: one pre-emergence + one hand weeding				
Plant Protection	Integrated Pest Management	Performance evaluation of Metarhiziumanisoplea in management of sucking insects in vegetable cabbage and lettuce with Metarhiziumanisoplea (a Bio pesticide) @ 30ml/ 15 litre water	MahatamaPhule Krishi VedyapeethRahuri, 2017	1.25	5	Wabagai, Wangjing, Kakching, Leiphrakpam, Wangkhem
	Biological Control	Management of frost bites & viral diseases of potato with Dimethyl sulfloxide 38.4% + Imidachloprid 17.8% (Control) @ 400 ml/ha two sprays at 20 days interval First spray at first earthing up (25- 30 DAS)	CSAUA & T, 2017	1.25	5	Wabagai, Elangkhangpokpi, Wangbal, Sabaltongba, Wangjing
Fisheries	Pond management	Performance assessment of Incorporation of Silver barb (*Puntius gonionotus*) in feed based seasonal carp polyculture pond system **Technology details:** Stocking density: 10000 fingerlings/ha Stocking ratio: Catla: Silver barb: grass carp: common carp @ 3:3:2:2 Feeding @3% body weight Culture period: 6 months	College of Fisheries, CAU (I), Lembucherra, 2014	0.10	5	Wangbal, Kshetrileikai, Ningombam, Khangabok, Tentha
	Ornamental fish farming	Ornamental fish farming as a backyard income generating activity for rural youths **Technology details:** • Breeding and rearing of ornamental fishes • Species: Guppy (*Poecilaraticulata*), Platy (*Xiphophorus maculatus*) • Practicing different breeding and rearing techniques • Use of breeding traps • Feeding- during growth period diet with 35-40% crude protein and during breeding period- worms (tubifex or blood worms) Waterdepth- 30- 60 cm for one month for fry rearing	ICAR –CIFA, 2016	0.10	5	Lourembam, Khangabok, Wangbal, Sapam
Home Science	Storage techniques (grains/ fruits/ fishes/ meat etc)	Osmotic dehydration of Amla **Technology details:** -Washing -Blanching, -Segment making -For 1 kg make osmotic solution 400ml of water & 600g sugar -Pour the segmented fruit into the solution for 24 hours	IIHR, Bangalore, 2017	NA	5	Athokpam, KakchingKhunou, Lourembam, Wangbal, Sapam

		-Drain the syrup & dry the fruits for 3-5 days				
	Value Addition	Chow Chowbori during Peak and Lean production period **Technology details:** **T_1**: Lean Period, 60% black gram and 40% chow-chow treated @1.5 g KMS/Kg with spices (Jeera, Hing, Chinese chives) **T_2**: Peak Season, 60% black gram and 40% chow-chow treated @1.5 g KMS/Kg with spices (Jeera, Hing, Chinese chives)	College of H. Sc., Tura, 2014	NA	5	LangathelLaiphrakpamKhangabokThoubalWangjing
KVK Tamenglong, Manipur						
Agronomy	Varietal evaluation	Evaluation of Paddy- Field pea in cropping system mode **Technology details:** TO_1:Paddy-Field pea TO_2:Paddy alone TO_3: Field pea alone	ICAR, Manipur Centre, 2018	1	4	Khundon, Noney
		Evaluation of relay cropping of Maize + French Bean in Maize based cropping system **Technology details:** TO_1:Maize-French Bean relay cropping TO_2:Maize alone TO_3:French Bean alone	ICAR, Manipur centre, 2017	1	4	Pungmon, Tupul
Horticulture	Varietal evaluation	Performance of Okra Variety Arka Nikita **Technology details:** TO_1-Okra Variety Arka Nikita TO_2 -Local un-descriptive variety	IIHR Bengaluru, 2017	0.5	4	Noney, Laphok, Haochong and Rangkhung
	Quality planting material production	Single Bud Technique of transplanting in Turmeric to Reduce Seed Cost **Technology details:** TO_1- Single bud of turmeric TO_2 – Farmers practice	ICAR-IISR Kozhikode 2014	0.5	2	Noney, Laphok and Tupul
Plant Breeding	Varietal evaluation	Jhum Rice var. CAU R2	CAU Imphal, 2020	1	4	Khoupum SD
	Varietal evaluation	Mustard variety NRCHB 101	ICAR-DRMR Bharatpur (2012)	1		Noney SD
Soil Science	Soil health	Evaluation of organic production package of enriched compost (Phospho compost) **Technology details:** TO_1: Farmer practice(vegetable wastes/straw + cow dung/pig dung) TO_2:Phospho composting(2000 kg organic/ vegetable wastes/straw + 200 kg cow-dung (dry weight basis) + 250 kg phosphate rock (18% P_2O_5)	NBAIM, MAU, UP, 2018	-	5	Tupul and Lukhambi

	Soil management	Assessment of green manuring in Paddy-Toria cropping system **Technology details:** Growing *Sesbania* @ 20 kg/ha in standing rice crop 3 DAS of rice and decomposing with required herbicide after 25 days growth for knock down effect of *Sesbania*	UBKV, 2018	-	-	Noney and Marangching
Plant Protection (Entomology/ Plant Pathology/ Nematology)	Integrated Pest Management	IPM in Frenchbean **Technology details:** Management of rust disease in French bean (Foliar application of Propiconazole @ 2ml/l 2-3 times at 10-15 days interval plus spraying of Imidacloprid 17.8 SL @0.5ml/l for control of aphids, white flies and thrips 2 times at 10-15 days interval or installing yellow sticky traps 15 cm above the crop canopy@ 10 traps/ acre for control of thrips, white flies and aphids)	CAU, Imphal,2015	0.5	4	Tupul, Noney
	Integrated Disease Management	IPM of purple blotch disease in onion **Technology details:** Management of Purple blotch disease in Onion variety Bhima Super (Seed treatment with *Trichodermaviride* @4g/ Kg plus spraying of N@3g/l and foliar spraying of Propiconazole @2ml/l or Dithane M-45 @2g/l 2-3 times at 10-15 days interval)	CAU, Imphal,2015	0.5	-	Noney, Tupul, Marangching
Animal Science	Feeding Management	Effect of supplementation of probiotics *(Lactobacillus sporogenes ,Lactobacillus acidophilus) in feeding of Swine (*Lumsniang)	IVRI ,2015	10	4	Marangching ,Noney village
		Stall feeding: 2 to 3 kg of green leaves/fodder/ day Molasses (Gur) (15%) treated paddy straw ad. Lib.	Indian Agricultural Information Centre- 2016 (Indian Context	10		Haochong, Tupul
KVK Ukhrul, Manipur						
Agronomy	Varietal evaluation	Yield performance of maize Var: VivekSankarMakka 45 and VivekSankulMakka 35	VPKAS, 2019	5	5	Lungshangkong, lamlang
		Varietal performance of rapeseed PM-28, NRCHB-101 and TS-36	ICARManipur 2015	6	6	Lungshangkong, Lamlang, lungbi
Horticulture	Varietal evaluation	Yield evaluation of spinach varieties PusaBharti and Agri HRT	IARI, New Delhi	1.0	4	Lungsangskhong, lunghar
		Production technology of french beans Var: VL Beans -2	VPKAS, Almorah, 2019	1.0	4	Lungsangskhong, lunghar

		Varietal evaluation of carrot Varieties; Vrishti and Vasuda	IARI, 2009, 2012	1.0	4	Lungsangkhong ,
Fishery	Feeding management	Introduction of Nile Tilapia under polyculture (Tilapia 50%, Common carp 30%, Grass carp 20%) in Ukhrul Dist. - Feeding with readymade feed @ 3% body wt per day	COF, 2013	0.5	2	Ukhrul
	IFS Modules	Performance of integrated Fish cum pig cum horticulture farming for higher return **Technology details:** • 20 piglet/ha • 15000 fingerling (yearling), grass carp, common carp, silver carp in 3:4:3 ratio • King chilly, banana, tuber crops to be used. • Pig excreta to use as 50% feed input for fish. • Banana leaves and other grass and leaves to use as grass carp feed. • tuber crops (tapioca) to be used as main ingredients of pig	COF2011	1	2	Lungsangkong Sihai
Animal Science	Breed introduction	Concentrate feed supplementation by partially cabbage/seasonal vegetable feeding (10%) to pig fattening, 10% of RDRD cone Feed , RRD of Concentrate Feed (control)	NRC-Pig , Rani 2013	2	2	Ukhrul. Lungshang
		Breed introduction of white pekin duck in Ukhrul for higher income	Vety Dept Tripura	3	3	Lower Dungrei
KVK East Garo Hills, Meghalaya						
Agronomy	Varietal evaluation	Performance of maize varieties in kharifseason **Technology details:** V1-RCM- 1-75 V2-RCM -1-76 V3 –Local Variety Other details of PoP: Seed rate: 18-20 kg/ha Seed treatment: Azospirillum/ Azotobacter, PSB @20g/kg seed Spacing: 60cm x 20 cm Fertilizers dose : 60-60-40 kg/ha Sowing time: Pre-kharif : April Post-kharif :July-August Method of sowing : line sowing	ICAR NEH Region, Umiam, (2012)	1	3	Ganingbibra &Nengmandalgre
	Varietal	Performance of short duration	DOR,	1	3	Chidekgre&

	evaluation	rice variety CAU-R2 (Tomthinphou); **Technology details:** T1- CAU-R2 T2 –Local variety Other Details of PoP: Seed rate: 40-50 kg/ha Seed treatment :Azospirillium/ Azotobacter and PSB@ 40 g/kg of seed Sowing time : June Spacing: 20 cm x 10 cm and Depth of sowing: 2cm in transpl. Method of sowing: Line sowing (transplanting) Fertilizer doses: 80-60-40 kg /ha	CAU Imphal, (2016)			Rangmalbadi m
Horticulture	Varietal evaluation	Performance of French Bean variety: Arka Sharath **Technology details:** T1 :Arka Sharath T2 : Local variety Other Details of PoP: Seed Rate: 50-60kg/ha Sowing time: October Spacing: 40X10cm Fertilizer Dose: FYM @ 10 t/ha + vermicompost 2.5 t/ha + neem cake 150 kg/ha	IIHR, Bangalore (2013)	1	3	Nengmandal gre&Dobetk olgre
	Integrated Nutrient Management	Organic Nutrient Management in Colocasia; **Technology details:** T1: Vermicompost 0.5 t/ha + FYM 2 t/ha. (The entire quantity of vermicompost and FYM is applied as basal) T2: Farmer Practice Other Details of PoP: Variety: Local Planting time: April-May Spacing: 60cm x 45cm Planting materials: Cormel (25 g) Requirement of Cormel: 60-80 q/ha Planting material treatment with Trichoderma	Dept. of Horticulture, AAU, (2017)	1	3	Nengmandal gre, Chachatgr, &Megagre
Plant protection	Integrated Pest Management	Bio- control of stem borer and leaf folder in rice. T1: (RP) **Technology details:** Seed treatment with Pseudomonas fluorescence @ 8g/kg of seeds Removing of seedlings top before transplanting. Spray of Beauveria bassiana @1013 spores/ha against sucking pests. Three release of Trichogramma	NBAR, Bangalore Year of release (2011)	1	3	Rangmalbadi m and Chidekgre

		japonicum @ 1,00,000/ha from 30 days Application of botanicals (Neem oil/pestoneem @ 3ml/li) at the time of pest occurrence Spray of Pseudomonas fluorescence @2% against foliar diseases T2: Farmers practice				
		Organic management of Cabbage Aphids and lepidopteron pests T1: Spraying of NSKE (4%) for three times starting from 20 days after transplanting. Spray of Beauveria bassiana @1013 spore/ha T2: Farmer Practice Other details of PoP: Variety: Rare Ball Seed Rate: 400g/ha Sowing time: Oct- Nov. Spacing: 60x45cm	Univ. of Horti. & Forestry, Solan, (2011)	1	3	Chachatgre& Chidekgre
Livestock Production	Breed introduction	Performance of improved dualpurpose poultry breeds as backyard poultry **Technology details:** T1: Vanaraja T2: Srinidhi T3: Local breed(N.D. Breed) With the breed, feed will be supplied till 6 weeks of age	ICAR - PDP, Hyderabad, (2013)	25birds/farmer	3	Chachatgre& Megagre
	Others	Assessment of lowcost incubator for hatching poultry eggs **Technology details:** T1: Low cost poultry incubator T2: Farmer Practice	Farm innovator (Shri. Farooq Khan), Barpeta, Assam, (2018)	Low cost poultry incubator	3	Chachatgre
Fisheries	Feeding management	Assessment of floating supplementary CAU AQUA Feed (carp) in composite fish culture **Technology details:** T1: Floating supplementary CAU AQUA Feed (carp) T2: Control: Fed with locally available ingredients Critical Inputs Required: Feed and Seed	College of Fisheries, CAU,Lembucherra, Tripura (2011)	0.5	3	Prapgre&Naringriterace
	Composite fish culture	Assessment of growth performance of Amurcarp in composite culture **Technology details:** T1: Amur carp in composite culture Stocking density: 10000Nos/ha. culture	KVAFSU, (2005-06)	0.5	3	Prapgre&DamboMork

		T2: Farmer Practice (Local common carp in composite Stocking ratio (catla+silver carp: rohu+grass carp: mrigal+amur carp +local common carp) =35%:20%:45%. Supplementary feeding (Rice bran & MOC (1:1) @ 3% of total weight of fish biomass				
Agricultural Engineering	Energy saving tools/ devices	Performance of modified ConoWeeder; **Technology details:** T1:Push pulls type weeder. Overall dimension 1740x200x940 mm. Weight approx. = 7 kg Consists of two rotors, float, frame and handle Rotors are cone frustum with serrated strips, mounted in tandem with opposite orientation. No of person required- 1 T2: Farmer Practice	ICAR Research Complex for NEH Region, Umiam, 2008	2	3	Rangmalbadi m
	Energy saving tools/ devices	Performance of Paddle Operated Paddy Thresher **Technology details:** T1: Paddle Operated Paddy Thresher T2: Farmer Practice (Cow/ Auto/ Power Tiller)	ICAR Research Complex for NEH Region, 2012	2	3	Chidekgre
KVK East Khasi Hills, Meghalaya						
Agronomy	Varietal evaluation	Performance of millets (finger/foxtail) under local conditions	ICAR (2019)	1	6	Nongur ,Weilynkut
		Performance of Umiam Soybean 1 variety under rainfed conditions.	ICAR Research Centre, NEHR, Umiam (2018)	1	6	Mawsiatkhn am,Khadarm er,Tynring
Horticulture	Integrated Nutrient Management	Canopy management of peach for enhancing productivity and income of farmers	ICAR (2010)	1	2	Nongpiur, Mylliem
	Crop Management	Performance of ginger –pea cropping system for increasing productivity.	ICAR-VPKAS (2010)	1	6	Laitjem, laitdiengsa, PashangSmit , Nongjrong
Plant Protection	Varietal evaluation	Evaluation of performance of bioagents in K.Girdhari and K.himalini for controlling late blight in potato	SBCL, Upper Shillong (2014)	1	3	Smit, Laitdiensai, Pashang
	Biological control	Monitoring and management of fruitflies in peach	ICAR (2014)	2	2	Nongpiur, Mawklot
Fisheries	Varietal evaluation	Comparative assessment on the low cost seed production of improved variety of amur common carp and common carp	ICAR, Umiam (2013)	0.3	3	Nohron, Pashang
	Integrated Farming System/ Integrated	Performance of fish cum poultry cum horti integrated farming system	ICAR, Umiam (2013)	0.3	3	Nohron, Pashang

	Crop Management					
Agril. Extension	Impact assessment	Impact study of FLDs demonstrated by KVK on Use of T.viridae against Rhizoctonia rot in Pea(1st year)	-	-	2	Tynring, Diengpaso, Mawryngkneng, Laitjem, Mawklot
	Farmers inadequate capital for farming operations	Comparative assessment on the resource allocation and consumption pattern of beneficiaries under PM-Kisan Scheme in East Khasi Hills during 2020-21(1st year)	-	-	3	Mawngap, Mylliem, Laitkynsew
KVK South Garo Hills, Meghalaya						
Agronomy	Varietal Evaluation	Rice(Performance of High yielding paddy variety CAU R1) **Technology details:** CAU R1 (Tampaphou) Crop duration : 125-130 days Seed rate : 50 kg/ha Nutrient Management FYM : 2 t/ha Rock Phosphate : 150 kg/ha Lime : 500 kg/ha Nursery : Raised seed beds 10cm height, 1.5m width with conventional length and drainage channel between drains. Transplanting Time: 1st Fortnight of July Spacing: 10cm x 15 cm Hand/mechanical weeding Cropping system: Field pea in rice fallow	Central Agricultural University, Imphal, (2009)	2	3	Dobogre & Kenegre
		Maize (Organic Package of practices of Maize) **Technology details:** Variety : RCM 1-75, RCM 1-76 Seed rate : 25 kg/ha Spacing : 60 X 20 cm Nutrient Management FYM : 2 t/ha Rock Phosphate : 150 kg/ha Lime : 500 kg/ha Azotobacter, PSB @ 20 g/kg seed Cropping system: Intercropping with legumes	Package of Practices of Organic Production of Maize, ICAR RC for NEH Region, (2019)	1	3	DagalGopgre& Silkigre
Horticulture	Late maturity and the short period of fruit availability	Off -season production of Strawberry under low tunnel **Technology details:** 4.0 m × 0.90 m × 0.75 m (L × B× H) July under Agro Shade Net (50 %) November under UV Stabilized Polyethylene sheet (200 µ)	ICAR Research Complex for NEH Region, Umiam (2009)	3 Units	3	Rongchekgre ,Bibragre and Silkigre

	First time introduction in the District	Organic cultivation of King Chilli in low cost shade net house **Technology details:** Var. King chilli Spacing: 50 X 50 cm FYM: 3 Kg sqm	PFDC, Dept of Horticulture, CAU, Imphal (2012)	3 Units	3	Dobogre, Bibragre, Jalligre
Plant Protection	High aphid infestation	Management of aphids (*Brevicorynebrassicae*L.) in cabbage. **Technology details:** Installation of yellow sticky traps @12 nos/ha to monitor aphid population. Mechanical removal/hand picking of aphids and infested leaves. Spraying of neem oil @5 ml/litre of water at weekly interval.	TNAU, Tamil Nadu **(**2015)	1	3	Warima& Jalegre
	High disease incidence	Management of tomato leaf curl virus, bacterial wilt and early blight disease of tomato. **Technology details:** Triple Disease Resistant F_1 Hybrid ArkaRakshak, Arka Samrat and ArkaAbhed	IIHR, Bangalore (2010)	1	3	Bibragre&Chokpotgre
Livestock Production	Duck meat as a source of protein (65%)	Introduction of White pekin breed of duck **Technology details:** White pekin Local breed	CARI, regional centre, Bhubaneswar **(**2017)	4 (10 chicks/unit)	4	Bibragre and Gongganggre
	Non availability and high cost of concentrate feed	Assessment of fresh Azolla feeding as dietery supplementation in poultry **Technology details:** Raw Azolla 50g/Bird+Base feed (6x4x1.5 feet pond size). Control: only base feed	**NIANP (**2012)	4 units	4	Chokpot and Dobogre
Fisheries	Less growth and early maturity of existing stock Non-availability of quality fish feed	Introduction of Amur carp in composite carp culture. **Technology details:** Stocking density 10,000 fingerlings/ha. Stocking ratio:Surface feeder 35%, Column feeder 20%, Bottom feeder 45% Species combination Rohu, Mrigal, Silver carp, Grasscarp, Amur carp.	KVAFSU **(**2005-06)	3 units	3	Silkigre, Dobogre
		Assessment of floating pelleted fish feed in composite carp culture. **Technology details:** Extruded feed using rice bran, mustard oil cake, broken corn, broken wheat, wheat bran and dry fish waste. Proximate composition of feed:	Departmen of Aquacultre, College of Fisheries, CAU, Lembucherra, Tripura (2011)	3Unit	3	DagalNokatgre,Daji,Bilgre

		crude protein 20-22%, crude lipid 3-5%, crude fiber<13-15%, ash <10-11%, digestible carbohydrate 40-45% Feeding rate: 2-3% Stocking density:10,000 fingerlings/ha				
Agricultural Engineering	Low yield due to non practice of weeding operation during rice cultivation.	Introduction of modified conoweeder **Technology details:** Push pull type weeder. Overall dimension 1740x200x940 mm. Weight approx = 7 kg It mainly consists of two rotors,float, frame and handle No of person required- 1	Division of Agricultural Engineering, ICAR Research Complex forNEH Region, Umiam, Meghalaya. (2008)	1	3	Warima&Dobogre
	High Labour cost	Introduction of tractor mounted 2 row automatic potato planter. **Technology details:** Tractor mounted. Suitable with tractor of 35 hp or above. Spacing of sowing is adjustable.	CIAE Bhopal (2012)	1	3	Warima, Bibragre&Dobogre
KVK West Garo Hills, Meghalaya						
Agronomy	Integrated Farming System/ Integrated Crop Management	Crop intensification of Maize intercropped with Frenchbean **Technology details:** Maize + French bean (2:2) Sole Maize Sole Frenchbean	ICAR, Umiam, (2013)	1.0	7	Marapara, AmindaRangsa
Soil Science	Organic nutrient management	Organic nutrient management in Turmeric **Technology details:** *Trichoderma harzianum* @ 10g/kg seed + FYM@ 2t/ha+ neem cake@ 200 kg/ha vermicompost@ 1t/ha+ Azotobacter @10kg/ha *Trichoderma harzianum* @ 10g/kg seed + FYM@ 1t/ha+ neem cake@ 100 kg/ha vermicompost@ 0.5t/ha+ Azotobacter @5 kg/ha	ICAR, Sikkim (2013)	2.0	7	Darengnagar, AmindaRangsa
		Assessment of organic sources of nutrients on growth and yield of broccoli **Technology details:** Vermicompost @ 2 t/ha and Azotobacter + Phosphotika @ 25g/lt of water each as seedling root dip method 50% of Technology-1 Farmers practice	TNAU, Coimbatore, (2014)	0.5	7	Haripur, Marapara
Plant pathology	Biological Control	Storage of planting material using bioagents for effective management of rhizome rot of ginger	CAU, Pasighat, (2009)	-	7	-

		Technology details: T1- Pit size of 6ftx3ftx2ft(LxBxH) +seed treatment with *Trichoderma harzianum*@10g/kg +5cm *Trichoderma harzianum*treated sand layer T2- 51ºC hot water treatment for 10 minutes,shade dry+5cm *Trichoderma harzianum*treated sand layer in pit size of 6ftx3ftx2ft(LxBxH) T3- Farmers Practice - Store in Khok (local bamboo basket)				
Animal Science	Breed introduction	Performance evaluation of meat type ducks in Garo Hills condition **Technology details:** 1. White Pekin (Vigova M Super)	CPDO, Hesaraghatta, Bengaluru (2016)	-	15	-
	Feeding management	Low cost feeding management for Pigs **Technology details:** Tapioca feeding 1.Tapioca silage**:** 100kg peeled sliced tapioca (1- 2cm) + 2kg Jaggery + 250 g salt, Tightly pack the mixture in polythene sheet and keep for 30-35 days 2.Ground Tapioca:Soaked sliced (peeled) tapioca in water for over night, drain and dry in sun light till it lost 95-100% of water and then grind it. 20% ground tapioca mix with 40% maize, 15% WB, mineral mixture 2% and salt 1% and azolla 22%	NRC Pig Rani (2013)	-	10	-
KVK West Khasi Hills, Meghalaya						
Plant Protection	Integrated Pest Management	Eco friendly management of insect pests in organic rice cultivation (Assessed) **Technology details:** Timely planting /transplantation Clipping of leaf tips Spraying of neem oil @ 3 ml/l at 10DAT Release of T. japonicum @ 50,000/ha One spray of Beauveria @ 7g/l at boot leaf	ICAR-NOFRI, Sikkim (2014)	1	4	Phudbah, Nongshyiap, Umthlong
	Integrated Disease Mgmt	Use of *Trichoderma viridae* for controlling Rhizoctonia in pea (Assessed) **Technology details:** Seed treatment with Trichodermaviridae @ 5-10gm /kg seed Soil treatment @ 6-8 kg /ha of	State Biological Control Laboratory , Upper Shillong (2008)	1	4	Phudbah, Mawnai, Mawshut

		land Foliar spray @ 5-10g/l water				
Horticulture	Varietal evaluation	Introduction of Pratap &Floradasun	Horticulture Division, ICAR, Umiam (2010).	1.5	6	Kynrud, Dongkiiingding, PyrdaThymmai
	Integrated Nutrient Management	Organic cultivation of cauliflower. Meghalaya local (OP)	Deptt. of Horticulture, AAU, Jorhat (2012)	1	6	Nonglyput, Pyrda Rim
	Any other (Pl. Specify)	Production of strawberry under protected condition	Horticulture Division, ICAR, Umiam (2009).	2 units	2	Mairang mission, Mawduh
Animal Science	Housing	Innovative Egg Laying cabin	ICAR Umiam, (2018)	5 units	5	Mawkynbt, Mairang mission
	Others	Integrated Farming System(Poultry –fish-horticulture crops)	ICAR, Umiam (2017)	5 units	5	DonkiIngding ,Kynrud , wahra
Fisheries	IFS Modules	T1: Poultry-cum-fish-cum-Horticulture crops Low-cost poultry house constructed over the pond and horticultural crop planted on the embankment. Fish sp: Catla, rohu, mrigal, silver carp, grass carp, common carp, gonius Stocking density : 8,000 fingerlings/ha 400-500 birds (vanaraja)/ ha pond area No supplementary feeding for fish (Zero input fish production). T2: Farmer's practice (fish farming without poultry integration)	Division of Fisheries; ICAR RC for NEH Region, Umiam, Meghalaya, 2013	1	4	Mawkawah ,Belkhariang , Phudbah, Nongritong
	Others: Breed introduction	Introduction of JayantiRohu in carp polyculture system **Technology details:** Stocking density : 10,000 fingerlings/ha Stocking ratio: Surface feeder 35% Column feeder 20% Bottom feeder 45% Feeding @ 3 % of total weight of fish biomass Regular Application of lime &manure	ICAR-Central Institute of Freshwater Aquaculture, (CIFA), Bhubaneswar	1	4	Belkhariang, Nongriton, Phudbah, Shohphria
KVK Ri Bhoi, Meghalaya						
Agronomy	Cropping system	Performance of Maize-Black-gram Cropping System **Technology details:**	ICAR, Umiam, 2014	1.5	20	Mawthei Umeit Kyrdem

		T1: *Maize (RCM 76)- fallow* Technology Option T2: Maize (RCM 76)- Blackgram				Nongthymmai, Nonglakhiat
	Crop production	Performance of Raised and sunken bed technology for crop diversification and productivity enhancement **Technology details:** T1:Raised bed (size:1m width and 0.3m height and 5-8 length) crops with tomato,pea, carrot & potato (Jan-May), Okra(Jun-July), frenchbean (Aug-Oct), and sunken beds (1.25m width x0.3m height and 5-8m length) for rice-pea/lentil cropping sequence T2:Farmers' Practice (monocropping)	Division of crop production (Agronomy) ICAR, Umiam, 2012	1.5	20	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat
Horticulture	Vegetable Production	Performance organic management of Cabbage (Var. Mahy – 139). **Technology details:** T1:Azotobacter and PSB @7.5 g per 100 g seeds + FYM/Vermicompost @ 5t/ha T2:Farmers practice (FYM)	AAU, Jorhat 2015	1.0	20	Mawllyngkhung, Patarim, Nonglakhiat
	Vegetable Production	Performance of off-season cucumber production under polyhouse. **Technology details:** T1: Off season production under polyhouse var. Alisha F-1/ Malini T2: Farmers practice	AAU, Jorhat, 2017 (Technology Inventory for NE India 2017)	0.50	10	Mawllyngkhung, Patarim, Nonglakhiat
Soil Science	Soil fertility management	Performance of Enriched compost made from locally available biomass. **Technology details:** T1: (a) Chopping of dry weed & crop residue (2.5-10cm) (b) Chopping of green weed & crop residue (2.5-10cm) (c) © Pit size: 3x2x1m to accommodate 3q substrate (d) Slurry preparation with cowdung/poultry excreta/pig dung and soil (1:1:0:5) (e) Mineral additives: 0.5% urea+1.5% P+ Missouri rock phosphate &sulphure.5% T2: Farmers practice	ICAR Sikkim Centre 2013	1.5	20	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat
	Organic management	Performance of turmeric under organic nutrient management. **Technology details:** T1:*Trichodermaharzanium*@10g/ kg of seed + FYM @ 5 t/ha + Neem cake @400 kg/ha+ vermicompost @ 5 t/ha +	ICAR Umiam 2014	1.5	20	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat

		Azospirillum 10kg/ha T2: 50 % RD of T1 T3: Farmers practice				
Plant Protection	Integrated pest Management	Performance of Bio intensive management in ginger. **Technology details:** T1: (a) Rhizome treatment with *Verticillium lecanii*@10 ml/ lt water for 1 hr (b) Foliar spray of *Azadirachtin* 0.03@5ml/lt during July and August (c) Soil application of *Metarhiziumanisopliae* @5 kg/ha during August T2: Farmers practice (No treatment)	Entomology section, ICAR Umiam 2017	0.5	10	Umeit Kdonghulu Nonglakhiat Umket Umraleng ,
	Biological control	Biological control of major chilli pests. **Technology details:** T1: Alternate spraying of *Lecanicilliumlecanii* @5ml/lt water and Azadirachtinm0.03 EC@5ml/lt at 15 days interval at pre flowering stage T2: Farmers practice (No treatment)	Entomology Section,ICAR, Umiam, 2017	0.5	10	Umeit Kdonghulu Nonglakhiat Umket Umraleng
	Biological control	Organic Management of Late Blight of potato using Copper compounds. **Technology details:** T1: 10 nos of spray with copper oxychloride (Blitox50@0.2%) at 7 days interval starting from canopy closure(40 DAS) T2:10 nos of spray with copper hydroxide (Kocide @ 0.2%) at 7 days interval starting from canopy closure(40 DAS) T3: Farmers practice (No treatment)	ICAR-CPRI,2017	0.5	10	Kdonghulu Nonglakhiat, Syllei-u-lar Umeit
Home Science	Value addition	Performance of Low –cost value addition of Roselle calyces. **Technology details:** **T1:** Value addition of *Roselle (Hibiscus sabdariffa)* 1.Jam 2.Juice 3.Pickle **T2**:Farmers practice (No value addition in Jajew) [Curry –Fresh/dehydrated Jajew+ dry fish]	College of Agricultural Engineering, Akola,2014	10	10	Mawblang
	Value addition	Performance of Low –cost value addition of pineapple. **Technology details:** T1: Value addition of pineapple	CoAEPHT, CAU Sikkim, 2016	10	10	Nonglakhiat

		1.Preserve 2.Syrup 3.Squash T2: Farmers practice (No value addition in pine apple)				
Fishery Science	Integrated farming system	Performance of Paddy cum fish Integrated farming system. **Technology details:** T1: Paddy cum fish farming Digging canals or trenches in side of paddy field at 0.5 - 0.6 m deep and 1 m wide. After two weeks of transplantation, fingerlings of common carp (main species), catla, rohu, mrigal, silver carp, grass carp, gonius are stocked @ 5000-8000 nos/ha of paddy area. Local paddy variety (Mynri) T2: Farmers practice (Paddy farming only)	ICAR, Umiam, 2013	10	10	Nongthymmai Nonglakhiat Pahamrinai Umket Umktieh MawleinMawkhan Iewmawlong
	Feed management	Performance evaluation of balanced floating pelleted feed (Balanced Diet) for enhancing fish yield. **Technology details:** T1: Balanced diet (Pelleted Feed) T2: Farmers practice (rice bran)	COF, CAU, Tripura 2015	10	10	Nongthymmai Nonglakhiat Pahamrinai Umket Umktieh MawleinMawkhan Iewmawlong
Animal Science		Performance of Srinidhi birds on egg production. **Technology details:** T1:*Srinidhi* T2: Vanaraja T3: Local birds	PDP Hyderabad: 2013	10	10	Nongthymmai Nonglakhiat Pahamrinai Umket Umktieh MawleinMawkhan Iewmawlong
KVK Jaintia Hills, Meghalaya						
Agronomy	Varietal evaluation	Performance evaluation of Potato varieties (*Kufrijyoti ,Kufrichipsona, Kufrigirdhari).* **Technology details:** (a) Variety: *Kufrijyoti ,Kufrichipsona, Kufrigirdhari* (b) Seed rate: 25q /ha (c) Tuber treatment with trichoderma paste @ 10g/kg seeds (d) Spacing: R-R 60 cm, P-P 25cm ; Bund to bund spacing 90cm (e) FYM@12 tons/ ha (f) Sowing time : February (g) Harvesting time: May – June	CPRS , Upper Shillong(2011)	0.2	5	Larnai, Niawkmai,Mulum, Wahiajer, Lumkhudung

		(h) Soldier @ 100g/50kg FYM for soil borne pest				
	Varietal evaluation	Varietal Performance of fingermillets (Var. Mandua - 352). **Technology details:** (a) Seed rate: 10 kg /ha (b) Sowing time: June (c) Spacing: 25 X15cm (d) Seed treatment with *azatobacter* and PSB @200gm each /10 kg seeds (e) Duration 95-100 days	ICAR-VPKAS, Almora (2012)	1	12	
Horticulture	Production technology	Single bud sprout planting technique of ginger**.** **Technology details:** (a) One month before planting (March), the rhizome is cut into single bud piece weighing 4-6g (b) Treat single bud sprouts with *Trichoderma* (c) Plant the single bud sprouts in pro trays (d) Maintain the pro trays in shade net (e) Seedlings will be ready for transplanting after 30-40 days Farmers practice**:**Large size planting materials	Indian Institute of Spices Research,Kerala (2014)	0.5	5	Mulum, Mootyrchiah , Mookyndeng , Ialong
	Varietal evaluation	Varietal performance of Guava varieties (*Megha Supreme, Megha Magenta &Megha Wonder)* **Technology details:** Guava varieties: RCGH-1, RCGH- 4 & RCGH-7 (a) Time of planting: July (b) Spacing: High density planting 1.5m x 2 m (c) Application of FYM (10kg)+ Vermicompost (2kg) (d) Fruit fly traps @15traps/ha (e) *Metarhiziumanisopliae*for soil treatment during August-October (f) Pruning in the month December Farmer's practice : (a) Local variety (b) Irregular planting without proper spacing	ICAR NEHR, Umiam (2010)	0.2	2	Umladang, Nongkhroh
	Varietal evaluation	Varietal performance of low chilling peach varieties. **Technology details:** T 1 : Peach var. *Partap*	ICAR NEHR, Umiam (2010)	0.2	2	Niriang,Larnai

		T 2 : Peach var. *Flordasun* (a) Time of planting: July (b) Spacing: 3.5 x 3.5 m (c) Application of FYM (10kg)+ Vermicompost (2kg) (d) Fruit fly traps @15traps/ha (e) *Metarhiziumanisopliae*for soil treatment during March-April (f) Pruning during the month of December Farmer's practice : (a) Local variety (b) Irregular planting without proper spacing				
Plant protection	Integrated Disease Management	Integrated disease management of powdery mildew in Pea(*var. Arkel*). **Technology details:** (a) Early sowing in the month of August and field sanitation and destruction of diseased plants (b) Spray of wet table Sulphur @ 0.2% at 14 days interval after disease incidence is noticed (c) Farmer's practice	ICAR-NOFRI,Tadong, Sikkim, 2013	0.5	5	Niawkmai, Sohphoh
	Integrated Disease Management	Organic management of late blight in Tomato. **Technology details:** (a) Spray of copper oxychloride (COC) @ 0.25 % (25 gms in 10litre water) at the onset of disease and at 7-10 days interval (b) Application of Panchagavya (3%) along with Lantana extract (10%) and vermi-wash @ 10 % at flowering at 10 days interval. Farmers practice- Spray of Dithane @ 0.25 % before and after disease incidence after every 10 days interval.	ICAR-NOFRI, Sikkim, 2014	0.5	5	Wahiajer, Niriang
Fishery Science	IFS Modules	Integrated livestock-cum-fish-cum-horticulture farming	COF-CAU,2013	1	5	Mulum, Sohmynting, Moodymmai , Khliehriat
	Nursery raising of carp fry	Utilization of Jalkund for nursing of carp fry in Meghalaya	ICAR ,Umiam, 2019	0.2	3	Niriang, Mukhnang
Animal science	Improved housing system	Innovative Egg Laying Cabin. **Technology details:** T 1: This egg laying cabin being one of the farmer's innovation of East Khasi Hills district of Meghalaya with its main advantages being:	Genesis, ATARI		5	Sohmynting, Lad Mukhla, Rymbai, Shangpung, Lumkhudung

		(a) Reduce scattering of eggs during the laying period (b) Reduce breakage of eggs (c) Vent pecking has been found to be nil thereby reducing mortality and disease occurrence (d) The height of the cabin is 8 inches at the top and 4 inches at the bottom in the form of a shop. The breadth is 1 foot T 0:Farmer's practice: No management practices				
	Improved housing system	Low cost climate resilient environment-affinitive pig pen model. **Technology details:** T 1: Innovative integrated low-cost pigpen was designed and developed with locally available natural resources for high rainfall mid and high altitude temperate region in the context of climate variability. The pig housing model was evaluated and compared with conventional concrete floor pig housing in term of micro- environment, physiological, adaption, performance, water use efficiency, animal welfare and behavior. The depth of the saw dust is kept at a height of 1 foot. T 0: Farmer's practice**:** No management practices	ICAR RC for NEH, Umiam, 2013		5	Niawkmai, Latyrke,Wahiajier, Mootyrshiah ,Nongkhroh
Agril Extension	Benchmark Survey (PRA etc)	Study on Perception of Farmers towards Organic Farming. **Technology details:** (a) Survey and data collection (b) Random sampling (c) Farmer's Perception Index (FPI)- ***(Source:*** Shiduzzaman***et.al.***,2018) (d) Knowledge test (***Source:*** Damor&Khadayata,2017) (e) Determinants on decision-making in adopting organic farming (f) Social network analysis (SNA)			120	West Jaintia Hills
	Benchmark Survey (PRA etc)	Analysis of Livelihood of Farmers during pandemic COVID-19. **Technology details:** (a) Survey and data collection (b) Purposive sampling			45	West Jaintia Hills

		(c) Impact of the nationwide lockdown (d) Vulnerability Index (VI) (e) Documentation of marketing (f) and mitigating measures				
	Benchmark Survey (PRA etc)	Value Chain Analysis of Ginger and Turmeric. **Technology details:** (a) Survey and data collection (b) Purposive sampling (c) Value chain mapping (d) Identification of value addition activities			90	West Jaintia Hills
KVK Aizawl, Mizoram						
Agronomy	Integrated Nutrient Management	Rice-Fenugreek– Baby corn for irrigated condition under organicmanagement system. **Technology details:** FYM @ 10-15 t/ha and/or vermicompost @ 3-6 t/ha either alone or in combination; Method of sowing : Line sowing for all crops; Seed rate : Rice (40 kg/ha); Fenugreek (30 kg/ha); Baby corn (20kg/ha); Spacing : Rice (25 cm x10 cm) ; Fenugreek (20 cm between rows); Baby corn (45 cm x15 cm).	ICAR, Gangtok, 2015	0.3	3	Melriat,Sairang,Melthum
	Integrated Farming System/ Integrated Crop Management	Rice – Vegetable Pea cropping system for irrigated condition under organic management system. **Technology details:** Rice and pea are grown under no-till practices, a slid is opened to sow the seed; Seed rate: Rice (50 kg/ha) ; Pea (100 kg/ha) + Method of sowing: Rice- Line sowing (SRI technique 20 cm × 20 cm); Pea- Dibbling (30 cm row spacing).	ICAR, Gangtok, 2015	0.3	3	Samlukhai, Melriat, Durtlang.
Horticulture	Protected cultivation	Evaluation of Fertigation schedule in tomato. **Technology details:** *Var*. ArkaAbhed (H 397) under Polyhouse High yielding F_1 hybrid with multiple resistances to Tomato Leaf Curl Disease, BW, Early and Late blight. NPK Solution at 1st forth night and urea & SSP 2ndFortnight interval in 1st Month NPK Solution at 1st fortnight & urea & MOP 2nd Fortnight interval in 2nd Month (Simultaneously on 8th Month during growing period	IIHR, Bangaluru, 2018	0.01	3	Muthi, SihmuiZau, Durtlanhg

	Protected cultivation	Evaluation of Lilium var. Indian Summerset under polyhouse. **Technology details:** The bulbs will be plant in November at spacing of 30×20 cm under polyhouse conditions. The cultural operations were followed throughout the experiment as per the developed package of practices by ICAR-RC Kolasib to grow a healthy crop.	HAU, Hissar, 2018	0.01	3	Selesih, Sihphir, Durtlang
	Protected cultivation	Performance evaluation of Anthurium (var. Maxima). **Technology details:** Cultivation.under protected cultivation for cut flower (2nd Year) Bed 1 m wide with 30-45cm gap, sterilized planting media (Coconut shells), pruning & maintain 4-5 leaves, removal & maintain of 2-3 suckers, addition of coconut husk after 8-10 months, fertigation and plant protection measure as per recommended	ICAR RC Goa , 2013	0.03	3	Durtlang, Muthi
Plant Protection	Integrated Pest Management	Deep ploughing before every crop season to open up the soil to expose FAW pupae to sunlight& predators + Intercropping of Maize seed with suitable pulse crops of the particular region+ Spray the crop with 5% NSKE or Azadirachtin{500 ppm@ 5ml/litre at weekly interval starting within a week of germination till harvest +Installation of FAW Pheromone traps@5/acre on or before germination of the crops to monitor pest arrival & population build up + adoption of weekly scouting while scouting, hand pick & destroy egg masses& neonate larvae by crushing or immersing in Kerosene water	ICAR-Indian Institute of Maize Research, 2016	0.3	3	Muthi, Melriat, Sairang
	Eco-friendly Pests Mangt. of Tomato Pin-bollworm	Installation of Pheromone traps@20/ha+*Metarhiziumanisopliae*@3ml/litre+spinosad(45%EC)@0.2ml/litre + Azadirachtin(1% EC) @ 2ml/litre of water	ICAR, IIHR, 2018	0.25	3	Durtlang, Saikhamakawn
Home science	Value Addition	Performance evaluation Of Jam From Dragon Fruit.	ICAR, Kolasib, 2014	0.5	15	Aizawl District
	Value Addition	Performance evaluation of Tooty fruity from chow chow vegetable.	ICAR, Kolasib, 2016	0.5	15	Aizawl District

Agril Engineering	Resource conservation technologies	Gravity Fed Micro Irrigation System. **Technology details:** Crop: Anthurium Under Protected Cultivation For Cut Flower.	ICAR RC, Goa, 2013	0.15	3	Durtlang North, DurtlangRamthar
	Resource conservation technologies	Bio Terracing Technique For Slow Conversion Of Hill Slopes Into Terrace Land	ICAR RC for NEH Region, Umiam, 2014	0.03	3	Aibawk&Durtlang Mel 5
Fisheries	Culture practice	Incorporation of Silver barb *Puntius gonionotus* in feed based carp polyculture system in seasonal ponds	College of Fisheries, CAU (I), Lembucherra, 2014	0.006	3	Durtlang, Sairang, Thalmual
	Culture practice	Polyculture of giant freshwater prawn (*M. rosenbergii*) in seasonal ponds	ICAR – CIFA, Bhubaneshwar, 2016	0.006	3	Sairang, Durtlang
KVK Champhai, Mizoram						
Agronomy	Integrated Farming System/Integrated Crop Management	Maize + Beans - Vegetable pea cropping system for rainfed conditions under organic management system. **Technology details:** T1**:** Maize+bean-V. Pea T2: Maize - Pea **(Local)**	ICAR – NOFRI, Gangtok,2015	1	3	Tuisenphai, Phaitha,
	Varietal Evaluation	To assess the performance of Field pea var. IPFD 10-12. **Technology details:** T1: Field pea var. IIPR var. IPFD 10-12 (Early maturing, 109 days, resistant to powdery mildew, tolerant to moisture stress) **T2:** Rachna (Farmer practice)	IIPR, Kanpur 2014	1	3	Zotlang, Phaitha, Tuimuk
Horticulture	Varietal evaluation	Evaluation of Onion var. NHRDF Red 4. **Technology details:** T1:NHRDF Red 4 Seed rate 8-10 kg/ha Time of sowing: September NPK:150:60:60 kg/ha Spacing :15X10 T2:Pusa Red	NHRDF, 2017	0.75	3	Khawzawl, Hmunhmeltha, Tualte
	Organic farming	Cultivation of *kharif* cabbage (Ryozeki) by using organic sources of nutrients. **Technology details:** Spacing-45x45cm Sowing-April T1: Seed rate: 800g/ha Seed treatment : Azotobacterand PhosphoSolubilising Bacteria (PSB) @7.5g each per 100g of seeds. Seed treatment with Bio-fertilizers slurry for at least 1 hour before sowing	Deptt of Horticulture , AAU, Jorhat, 2012	0.75	3	Tualte, Khawzawl and Tuipui

		T2: Farmers' practice				
Plant Protection	Integrated Disease Mgmt	Integrated Disease Management of Late Blight (*Phytophthora infestans*) of Potato. **Technology details:** T1: (a) Soil application – T. harzianum and Pseudomonas flouresens 15 days before planting (b) Tuber treatment – Mancozeb@0.25% (c) Prophylactic spray Mancozeb@0.2% twice at weekly before onset of disease (d) Curative spray with Cymoxil + Mancozeb @0.3% T-2 :Farmers practice: (No treatment)	ICAR-KVK,Kolar and Sirsi,Karnataka, 2018	1.5	3	Chawngtlai,, Zotlang, Khawzawl
	Integrated Pest Mgmt	Integrated Pest Management of White Fly (*Bemesiatabaci*) in Mizo Chilli. **Technology details:** T1: Conventional : -Mechanical :Yellow Sticky @ 4-5 trap/acre -Chemical :Fenpropathrin 30% @ 100-136 in 300-400 L of water/acre -For organic plots(PKVY) -garlic emulsion @ 2% -Yellow sticky trap -Neem based @ 5mL/L **T2**- Farmers Practice (No treatment)	NIPHM,Hyderabad,Telangana,2014	1.2	3	Chawngtlai, Dulte, Tualte
Soil Sciene	Soil management	Integrated Nutrient Management in Potato (*Solanum tuberosum*) cv. KufriMegha. **Technology details:** T1: NPK-150:100:120 kg/ha Vermicompost-2.5t/ha N fertilizers will be applied as per treatment at the last ploughing, the whole quantity of organic manure(Vermicompost) will also be incorporated in the soil as per treatment. T2:Farmer Practice(No treatment) Spacing : 60cm X 20 cm	Department of Horticulture Faizabad,U.P.India	1	3	Phaitha ,Zotlang
	Soil biology (BGA/ Azolla)	Root dipping in SSP-MC Slurry method of P in Lowland Paddy. **Technology details:** T1-	College of Post Graduate Studies, CAU, Umiam,	0.4	3	Khawzawl,Zotlang,Rabung

		Step-I A mud slurry bed (45 sq.m) is prepared in one corner of the main field. 7.0 kg SSP is to be mixed thoroughly with mud. Roots of uprooted rice seedling bundles need to be washed free of adhered mud and then roots are to be dipped in the SSP amended mud slurry bed for over-night. *Step-II* A mud slurry bed is to be prepared in one corner of the main field. 5 kg finely grounded dry compost along with either 4 kg MC biofertilizer or 500mL liquid MC biofertilizer are to be mixed thoroughly with mud in the slurry bed. The SSP slurry treated roots of rice seedling bundles are to be dipped in to MC amended mud slurry bed and incubated for 2 h. T2-Farmer Practice(No treatment)	2016			
Agro Forestry	Introduction of settled agriculture farming	Modelling agroforestry system in *jhum* field for permanent agriculture. **Technology details:** T1: (a) Two rows of banana & pineapple-1.5x1.5m &30x60x90cm (b) uncleared patch of 5-10m at regular interval (c) Bee box-7m apart T2: Farmers' Practice (Traditional farming)	ICAR,Umiam,Meghalaya(2017)	3.20	2	New Chalrang
	Introduction of legume perennial crops in*Jhum* land	Hedgerows cropping of Arhar& Ginger. **Technology details:** T1: Hedgerows cropping of Arhar& Ginger T2: Sole Ginger Spacing(Ginger) 30x30 cm, Arhar-15cmx5m	Assam Agricultural University, Jorhat, Assam (2015)	1.50	3	Changelzawl , Tuisenphai
KVK Kolasib, Mizoram						
Horticulture	Integrated Nutrient Management	Stage wise requirement of Nitrogen (N) and Potassium (P) in Banana **Technology details:** (a) 60% of N at planting to five month stage. (b) 20% of N at shooting stage. (c) 20% of N at last hand opening stage. (d) 40% of K at shooting to last hand opening stage.	Department of Horticulture, AAU, Jorhat - 2017	0.3	3	Vengthar

		(e) 60% of K at last hand opening to one month before harvesting.				
	Integrated Nutrient Management	Cultivation of Carrot by using organic source of nutrients. **Technology details:** (a) *Azotobacter* and PSB @ 7.5g per 100g. seeds. (b) Enriched Compost @ 5t./ha. (c) Rock phosphate @ 188kg./ha.	Department of Horticulture, AAU, Jorhat-2012	0.3	3	Chemphai, Buhchangphai
	Protected Cultivation	Off-season cultivation of Cucumber under Poly-house **Technology details:** (a) Protected Cultivation/Polyhouse (b) Cucumber Var. Kafka (c) Recommended dose of NPK.	Department of Horticulture, AAU, Jorhat-2017	0.03	3	Veng, Vengtha, Khuangpuilam, Thingdawl
Soil Science	Soil health	INM in Lentil with foliar spray of Nitrogen **Technology details:** (a) NPK @ 15:35:15 Kg/ha(75%RD) (b) Vermicompost@ 0.5t/ha (c) Spraying of 2% urea at branching and pod initiation stage (d) Seed rate 30 kg/ha**.**	RARS, Shillongoni, Nagaon AAU, 2015	2	3	Chemphai, Kolasib, Buhchangphai
	Soil microbes (beneficial)	Enriched compost. **Technology details:** (a) Pit size 3mX2mX1m (b) Slurry:Soil:well decompose @1:1:0.5 (c) N 0.5%:P 1.1%:K 0.5% Moisture 70%	RARS, Shillongoni, Nagaon AAU, 2015	2	3	Kawnpui, Kolasib, Buhchangphai
Plant Protection	Integrated Pest Management	Eco-friendly management of insect pests in organic rice cultivation.	ICAR-NOFRI, Tadong, Sikkim, 2011	0.1	3	Buhchangphai, Chemphai, Meidum
	Integrated Pest Management	Organic management of insect pests in Mustard.	ICAR-NOFRI, Tadong, Sikkim, 2014	0.1	3	Kolasib, Thingdawl,Chemphai
Animal Science	Feeding Management	Effect of Super Mix on the performance of crossbred pigs.	CAU, CVSc& AH, Selesih, Aizawl, Mizoram 2014		5	Thingdawl, Bualpui, Khuangpuilam,Vengthar
	Housing	Performance of Kadaknath poultry under intensive system of rearing	GAD Veterinary & Animal Sciences University, Ludhiana, Punjab 2015		5	Vengthar, Venglai
Agro Forestry	Introduction of MPTs in newly Developed	Intercropping of Ginger with *Leuceanaleucocephala*	MZU,2016	1.5	2	Kolasib,Kawnpui

	Systems					
	Introduction of high value crops/ livestock in different systems	Organic Cultivation of Turmeric.	ICAR,Indian institute of Spices Research,Kozhikode,Kerala,2015	0.5	4	Buhchangphai ,Chemphai
KVK Lawngtlai, Mizoram						
Agronomy	Varietal evaluation	Varietal evaluation Variety : HPS I/13 **Technology details:** line sowing,Time of sowing – September, Spacing – 45cmx30cm, NPK – 80:60:40 KG	NHRC, Nagicherra, Tripura, 2019	0.25	3	Chawnhu Bualpui NG Thingkah
	Varietal evaluation	Variety - Girnar 4 under Lawngtlai area. Time of sowing – August, row spacing – 45X15cm, NPK –20:60:40 kg	Directorate of Groundnut Research Centre, Junagadh, Gujarat, 2019	0.25	3	Chawnhu Kawlchaw Thingkah
Horticulture	Varietal evaluation	Varietal evaluation of Onion variety *Arkabheem*	IIHR, Bangalore (2019)	0.20	3	Chanwhu, Thingkah, Sihtlangpui
	Varietal evaluation	Musk melon variety *Arkasiri*	IIHR, Bangalore (2019)	0.20	3	Chanwhu, Sihtlangpui, Chawntlangpui
Plant Protection	Integrated Disease Mgmt	Management of Bacterial leaf blight in Rice **Technology details:** Two Spray of Copper Oxychloride @ 2.5g/ lt + Streptocycline @ 0.5g/lt at an interval of 30 days with the first spray at the disease onset.	University of Agricultural and Horticultural Science, Shivamogga, Karnataka, 2017	2	3	Kawlchaw, Sihtlangpui
	Others	Varietal performance of high yielding multiple disease (Bacterial wilt, Late and early blight) resistant Tomato Variety: *ArkaAbhed (H- 397)*	IIHR, Bangalore, 2018	2	3	Ngengpui, Chawnhu, Bualpui NG
Animal Science	Breed Introduction	Introduction of Beetal breed of Goat **Technology details:** Beetal Goat	CIRG (ICAR), Makhdoom (U.P), 2010	-	3	Chawnhu Lawngtlai Thingkah
	Feed management	Formulation of Balanced feed for Poultry by using locally available feed ingredients **Technology details:** Formulation of balanced feed for Poultry with locally available resources using computer software “Make feed Poultry 3.0” developed by ICAR-CARI		-	3	Chawnhu, Thingkah, Lawngtlai

Home Science	Food preservation	Vacuum packing of Corn cob to increase shelf life	Dept. of Processing & Food Engg. UAS, Raichur, 2005	-	3	Chawntla Lawngtlai Chawnhu
	Value Addition	Preparation of Banana Figs	Home Science College & Research Institute, Madurai, 2007	-	3	Chawntlangpui, Sihtlangpui, Saikah
Agricultural Extension	Impact Assessment	Impact assessment of modern beekeeping in sustainable rural livelihood **Methodologies:** 1. Selection of farmers- farmers will be selected purposively where training and demonstration was conducted by kvk. 2. Data will be collected using Structured questionnaire and interview schedule. From household survey. 3. Data will be analyze using percentage, mean, frequency distribution and standard deviation to describe parameters as socio-economic characteristics and regression model for interpretation of result	NA	-	3	Sentetfiang
	Impact Assessment	Impact study of mango cultivation in socio economic status of mango growers in the district **Methodologies:** 1.Selection of farmers- farmers will be selected purposively from mango growing villages randomly 2. Data will be collected using structured interview schedule by household survey. 3. Data will be analyze using percentage, mean, frequency distribution and standard deviation to describe parameters as socio-conomiccharacteristics and regression model for interpretation of result.	NA	-	3	Kawlchaw West
KVK Lunglei, Mizoram						
Agronomy	Varietal evaluation	Performance of short duration, high yielding field pea variety TRCP-9	ICAR, NEH Region, Lembucherra,	4.5	5	Thitlang, Hnahthial, South

		Technology details: Suitable for late sown condition of North Eastern	Tripura, 2010			Vanlaiphai
	Varietal evaluation	Cropping system of Maize-Soybean. Maize (cv. RCM-76) (Seed rate 25 kg/ha), spacing 60X30 cm, Season: *Pre kharif*, Soybean, seed rate 80 kg/ha, spacing 30X10 cm, season: *Kharif*	ICAR- RC for NEH Region, Manipur Centre, 2015	4.5	5	Hnahthial,Tuipui D, Darzo
Horticulture	Varietal evaluation	Performance evaluation of Garden pea var. *Arkapriya* **Technology details:** Tech opt 1**:**1)Sowing: October 2)Seed rate :75 kg/Ha3)Nutrient management: FYM or Compost @ 25 t/Ha and N:P205:K20 @ 25:75:60 kg/ Ha 3)Spacing: 30 x 10 cm Tech opt 2**:**Farmers practice	IIHR, Bangalore, 2012	1	5	Haulawng, Lunglei, Hnahthial, Thiltlang, Tarpho
		Cultivation of Okra by using organic sources of nutrient **Technology details:** Tech opt 1: 1)Azotobacter and Phosphorus solubilizing bacteria(PSB)@ 7.5g each per 100g of seeds 2) FYM @ 5t/Ha + vermicompost 1t/Ha 3)Rock phosphate@ 313 kg/Ha -Seed rate: 10kg/Ha -Sowing : April-June -Seed treatment: Seed treatment with biofertilizer(Azotobacter and PSB) slurry for at least 1 hour -Spacing: 50 x 45cm. Tech opt 2:Farmers practice	AAU Jorhat, 2015	1	5	Hnahthial, Rotlang E
Soil Science	Integrated Nutrient Management	Enriched compost Technology **Technology details:** Tech opt 1: Chopping of dry /green weed & crop residue Pits size: 3mx2mx1m Slurry preparationwith cow dung/poultry excreta /pig dung & soil @ 1:1:0.5 ratio Mineral additives :N @0.5% Urea, P @ 1.5% Rock phosphate	ICAR: NEH 2014 (Tech inventory)	5	5	Hnahthial, Rawpui

		& S @ 0.5% elemental S Plastering with slurry and turn after 20 days Tech opt 2:Farmers practice				
	Integrated Nutrient Management	Phosphorus management in Rice-Field Pea sequence Sowing time: Rice- July, Field pea - Oct **Technology details:** Rice – 75% & 125% RD of P2O5 + PSB (50g/kg seed) Field Pea – 75% & 125% RD of P2O5 RD of Rice: 40:20:40kg N:P2O5:K2O/Ha	AAU, 2017	5	5	Hnahthial, S. Vanlaiphai
Animal Science	Nutrition	Creep feeding in piglets (Creep ration: Maize-5%, MOC-25%, Fish meal-5%, Sugar-7%, Skimmed milk powder-8%, Minerals and vitamins- 5%)	CAU, Selesih (2012)	-	5	Hnahthial, adopted villages
	Breed evaluation& comparative study	Comparative study on the performance of dual purpose poultry **Technology details:** (T1 = Srnidhi, T2= Rainbow rooster, Tc = Local)	ICAR, DPR, Hyderabad, 2015	-	5	Hnahthial, adopted villages
Home Science	Storage techniques (grains/ fruits/ fishes/ meat etc)	Effect of using commercially available packaging materials for preserved fruits and vegetables.	CIFT, Cochin,2015	-	5	Rawpui&Hnahthial
	Post-harvest technology	Introduction of Osmo dehydration on quality of Oyster Mushroom. **Technology details:** T1 – Control(sun drying) T2 – 5% NaCl(sun drying) T3 – 10% NaCl(Cabinet drying @ 50o C) Sun drying.	Univ.ofAgri.Sc. & Technology, J&K,2018	-	5	Lunglei&Hnahthial
KVK Mamit, Mizoram						
Horticulture	Varietal evaluation	Varietal performance of multiple disease resistant tomato hybrid, ArkaAbhed (H-397) for higher income Resistant to leaf curl, bacterial wilt, early & late blight	IIHR, Bangalore, 2018-19	0.3	3	Lengte, Dialdawk , Darlak
	Varietal	Varietal performance of French bean variety *Zorin*(MZFB-48)	ICAR RC NEH Mizoram	0.3	3	Lengte,

	evaluation	for nutritional security & higher production	Centre, Kolasib Mizoram 2018-19			Dialdawk , Darlak
	Integrated Nutrient Management	Cultivation of garden pea by using organic source of nutrient **Technology details:** Variety: *Pusa Pragati* Spacing :50cm X45 cm Seed rate: 80-100 kg/ha Seed treatment with @20g Rhiizobium culture/kg seeds Mixed in jaggy solution and dried in shade Manure application: Vermicompost@ 2.5 t/ha Land preparation: Minimum tillage operation. Plant protection : As per package of practise recommended with technology	ICAR –NOFRI, Tadong , Gangtok Technologies for organic Management of crops in Northeast India" Published ICAR ATRI, zone VII Umiam , 2019	0.3	3	Saithah Rulpuihlim Darlak
	Integrated crop management	Cultivation of high value crop Dragon fruit to increase farmer income **Technology details:** Types **:**Red flesh (*Hylocereuscostaricensis*) Planting distance 3m.X 3m. 2.5 m X 2.5 m Training Structure: The concrete pillars usingtyres as base structure Growing media: Soil enriched with organic inputs like farmyard manure, coir compost and vermi-compost along with bio-fertilizers. Planting of 4 rooted cuttings around each concrete pillar	Central Island Agricultural Research Institute, (CIARI), Port Blair 2017	0.3		Lengpui -2 Darlak-1
Animal Science	Breed improvement	Assessment of growth and performance of crossbreed (Duroc x Hampshire x Ghungru) pigs under local condition	NRC, Pig, Rani, ICAR, 2010	-	3	Lengpui
	Others	Low Cost portable Dummy sow with mating grunt voice system	Division of Livestock Production, ICAR RC for NEH Region, Uniam – 793103, 2014	-	3	Lengpui
Fishery	Fish breeding	Introduction to breeding of Ornamental fishes. **Technology details:** Species: Gold fish (*carassius auratus*) Guppy (*Poeciaraticulata*)	CIFE, Mumbai.2004	-	3	Lengpui

		Angel Fish (*Pterophyllum*ssp) Technology 1.Procurement of Ornamental Fishes 2. Practicing different breeding and rearing techniques				
		Introduction / Incorporation of Silver barb *Puntius gonionotus* (bleeker) in feed-based carp polyculture system to increase farm production. **Technology details:** Stocking density 10000 fingerlings /ha at 40:30:30 ratio Procurement of species Introduction of species in indigenous	College of Fisheries, CAU, Lembucherra, 2014	-	3	Lengpui, lengte, Darlak
Agro-forestry	Bamboo/ Broomgrass etc.	Introduction of Scientific cultivation of Bamboo species in an abandoned jhum land for enhancing economic production and afforestation of abandoned jhum land. (*Dendrocalamusbrandisii*&*Dendrocalamushamiltonii*as Local check) *Dendrocalamuslong ispathus* & *D. hamiltonii*- On- Going	KFRI, Peechi, Thiruvananthapuram, Uravu, Wynad, IWST, Bangalore, 2014	1.5	3	Hmunpui, Dialdawk, Lengte
	Raised & Sunken bed Technology	Introduction of Raised & Sunken bed technology and Relay cropping technology for crop diversification and productivity enhancement	Division of Crop Production (Agronomy), ICAR Research Complex for NEH Region, Barapani, Umiam, Meghalaya, 2012	1.5	3	Lengpui, Dialdawk, Darlak
KVK Serchhip, Mizoram						
Agronomy	Varietal evaluation	Varietal evaluation on Short Duration HYV – Hakuchuk 2: Identified for transplanted early duration as well as direct seeded uplands Yield – 5.54 t/ha in 100 days under transplanted conditions. Seed rate 6-8 kg for SRI / ICM, machine transplanting 15 kg/ha and for direct seeding in upland 60 kg/ha. NPKS @ 100: 50: 50: 20. Optimum sowing: April 1st fortnight for direct seeded upland and latest by 7 July for transplanted *kharif* season.	ICAR Tripura, 2014	1	3	N.Vanlaiphai, Sailulak
	Integrated Nutrient	Integrated Nutrient management **Technology details:**	IISR Lucknow, 2019	1.5	3	Khawlailung

	management	At planting :Ethrel100 ppm Overnight soaking of sugarcane setts 60 DAP :(For ratoon crop) Ethrel 100 ppm Foliar application 70-90 DAP : GA3 35 ppm Foliar application at specific leaf sites in morning (9 am-11am) or in evening (after 4pm) 120 -130 DAP: GA3 35 ppm Foliar application at specific leaf sites morning (9am-11 am) or in evening (after 4 pm) 150 DAP: GA3 35 ppm . Foliar application at specific leaf sites morning (9am-11am) or in evening (after 4 pm)				
Horticulture	Integrated Nutrient Management	Integrated Weed Management in Brinjal **Technology details:** Oxadiargyl 9.0kg/ha followed by garden hoeing at 30 and 60 DAP	AAU , Jorhat, 2014	3	3	Serchhip Bawktlang ,Chekawn
	Integrated Nutrient Management	Effect of Bunch feeding in the fruit quality of Banana **Technology details:** Banana bunch feeding / 7.5gms of Urea + 7.5gms of sulphate of Potash dissolve in 100 ml of water with 500gms of fresh cowdung and apply the slurry to the de-navelled stalk end of fruit set tie with a plastic bag.	ICAR- IIHR Bangalore, 2016	1	3	Khawlailung , Chekawn, Khumtung
Home Science	Storage techniques (grains/ fruits/ fishes/ meat etc)	Assessment of Primary packaging for preservation of fresh vegetables **Technology details:** Brining: 2.0 – 2.5 percent equilibrated solution Blanching Air tight packaging	CFTRI Mysore, 2015	-	3	N.Vanlaipha i
	Value Addition	Comparison of different clarificants (Wild bhindi, Calcium hydroxide, soybean) in Jaggery production **Technology details:** Clarificant Calcium Hydroxide & wild bhindi, Soybean Dilusion of clarificants with water 1:15 (Calcium Hydroxide) Stems and Roots dipped in water for about 2-4hours. Pound and rubbed. Mucilaginous liquid 40 – 45g is added per quintal of juice Seeds dipped in water for about 2-4hours. Pound and rubbed. Mucilaginous liquid 30 - 40 g is	IISR, Lucknow, 2017	-	3	Khawlai-lung

		added per quintal of juice				
Agricultural Engineering	Implements/ tools for value addition	Low cost solar drying tunnel	UAS , Raichur, 2015	3	3	Bawktlang, N. Vanlaiphai, Lungchhuan
	Implements/ tools for value addition	Low cost ripening chamber	IIHR , Bangalore, 2011	3	3	Chekawn N.Vanlaiphai, Khawlailung
Agriculture Extension	Benchmark Survey	To study use of pesticides in Agriculture by Different categories of farmers of E.Lungdar Block : Primary data collected from Farm household of different categories Secondary Data collection through structured and pre-tested questionnaire as well as through personal interview method. Statistical techniques like percentage, average	NA	-	1	E.Lungdar Block
	Impact Assessment	Yield assessment of Rapeseed(Toria) with Bee keeping	NA	-	5	Sailulak, N.Vanlaiphai
KVK Saiha, Mizoram						
Horticulture	Varietal / hybrid evaluation	Varietal performance of Musk melon	IIHR, Bangalore 2018	1	3	Siahatla& Council vaih
	Varietal / hybrid evaluation	Varietal performance of Tomato	VPKS, Almora	2	3	Lobo, Council vaih
Plant Protection	Integrated Pest Management	Assessment of application of Arka Neem Soap to reduce incidence of fruit and shoot borer infestation in brinjal (var. Arka Anand)	ICAR, IIHR, 2018	1.5	3	Theiva, Tipi Ferry &Noaohtla
	Integrated Pest Management	Management of aphids in cabbage (var. Rareball)	TNAU, 2015	1.5	3	Siahatlah-III, Tipi Ferry, Siata
Animal Science	Health management	Evaluation of production performances of lactating cattle through supplementation of By Pass Protein	CAU, Selesih, 2014	-	5	Siahatla, Meisavaih, Siata, Ainak, Lobo
	Breed introduction	Evaluation of production performances of Assam Hill Goat and Beetal goat through scientific intervention	AAU, Khanapara, 2010	-	3	KM 10, Theiri, Vahia,)
Home Science	Storage techniques	Scientific Packaging of fermented bamboo shoots in different packages.	ICAR, Barapani, 2015.	-	5	AmobyuVaithea, Riasikah, College Vaih
	Value	Low cost value addition of Roselle calyces *(Hibiscus*	College of Agricultural	-	5	Siahatlah&

	Addition	*sabdariffa).*	Engineering, Akola – 2014			Tipi Ferry
	Impact Assessment	Impact analysis on Tomato (ArkaRakshak) cultivation	NA	-	20	Lobo and Council Vaih
	Impact Assessment	Impact analysis on Cabbage cultivation (var. Rareball)	NA	-	20	Tipi ferry
KVK Dimapur, Nagaland						
Agronomy		To assess the performance of Soybean in mid land condition in a well-drained soil **Technology details:** TO 1: Soybean var. JS 20-116 TO 2: Soybean var. RVS 2001-4 TO 3: Farmer Practice variety - Ayekhu	JNKVY, Jabalpur, 2019 & 2014	0.03	3	Niuland
		To assess the performance of Field pea var. IPFD 10-12 **Technology details:** TO 1: Field pea var. IPFD 10-12. (Early maturing , 109 days, tolerant to moisture stress) TO 2: Pea var. – TRCP-8/9 TO 3: Farmer Practice variety - Rachna	IIPR, Kanpur 2014 ICAR, Tripura, 2010	0.03	3	Seithekema, Niuland
Plant Protection (Plant Pathology)		Biological Management of late blight disease of Potato **Technology details:** T1: *Trichodermaharzianum@* 2.5kg+50kg FYM 10-15 days before sowing + Foliar application of *Trichoderma harzianum*and *Pseudomonas flourescens@* 5g each/L of water T2: Farmers practice	State Biological Control Laboratory, Shillong, 2008	0.2	3	Zhuheshe New Chumu Maova
		Milky mushroom cultivation (*Calocybeindica*)	ICAR Tripura centre, 2008	3units	3	Medziphema MaovaZhuheshe
Animal Science	High feed cost	To assess the performance of grower pigs fed with replacement of maize with 50% Tapioca root meal **Technology details:** T1: Replacement of maize with 50% tapioca root meal to grower pigs T2: Concentrate feeding T3: Farmers practice	NU, SASRD, Medziphema, 2012		5	Seithikema& Chumukidima
Home Science	Significant losses and wastage during season.	Preparation of Papaya tuttifruiti **Technology details:** T1:Preparation of Papayatuttifruiti T2: Raw papaya	ICAR Research Complex, Umiam 2012	-	5	Maova, Vidima, Medziphema

	Significant losses and wastage during season.	Preparation of chow-chow candy **Technology details:** T1: Preparation of chow chow candy T2: Raw chow chow	ICAR Research Complex, Umiam 2012		5	Medziphema , Jharnapani, Bade
KVK Kohima, Nagaland						
Agronomy	Tillage Management/ Farm Machinery	Zero till production of pulses and oilseeds in rice fallow	ICAR, Umiam, 2011	0.50	-	Tsonsa
	Integrated Farming System/ Integrated Crop Management	Maize+Beans-Vegetable pea cropping system for rainfed condition under organic management system	ICAR-NOFRI, Tadong, Gangtok, 2015	0.50	-	Tseminyu sub-division
Horticulture	Varietal evaluation	Performance of high yielding bush type French bean (Var. ArkaSharath) **Technology details:** Sowing time: March-May Seed rate: 60-80kg/ha Spacing: 30-45 cm plant to plant & 10-15 cm Row to row Maturity: 55-70 days Yield:80-140 qtl/ha)	IIHR, Bangalore, 2014	0.5	-	Tseminyu Penda &Nerhapezh a
	Varietal evaluation	Performance of Gerbera flower production under low cost ployhouse (Var.Zingaro, Rosalin, Imperial) **Technology details:** Beds are prepared at 30-40 cm apart. Beds are general about 35-40 cm in height, 1m in width with 40-50 cm pathway and convenient length of 30 m or maximum 50m. Sowing time: Sept-Oct Spacing:30 x30 cm Planting density: 6-7 plants/M^2	CIH, Medziphema, 2017	2 units	-	Kisama&KV k Farm
	Varietal evaluation	Performance of carrot (Var.Rudhira) **Technology details:** It is a tropical type with long red roots having self coloured core and obtain angular shape. Sowing time: Aug-Oct Seed Rate: 8-10 kg/ha Spacing: 25 x 30 cm Maturity: 90-100 days Yield : 25 qtl/ha	IARI, New Delhi, 1994	0.25	-	Tseminyu& Kohima
Soil Science	Soil management	Effect of NPK (100:150:150) application with potato (KufriGiriraj) as a test crop. **Technology details:** Application of half dose of nitrogen and full dose of	CPRI, Shimla, 2015	0.20	-	Kigwema

		phosphorus and potassium is applied at the time of final land preparation. Another half dose of nitrogen is applied during earthening stage. This technology will assessed the yield and the available NPK content of the soil.				
	Soil microbes (beneficial)	Performance of biofertilizer Rhizobium and Phosphotika application @ 200gm/ 10kg seed in pea. **Technology details:** The slurry is prepared by applying 200gm of biofertilizer in 250ml of water. This slurry was poured slowly on the 12kg of pea seeds and mixed thoroughly with hand to get uniform coating in all the seeds. The treated seeds are dry in a shade and then sow immediately in the field.	State Dept. of agriculture, Nagaland, 2014	0.30	-	Tsongsa
Plant Protection (Entomology/ Plant Pathology/ Nematology)	Integrated Pest Management	Management of Thrips in chilli using Imidacloprid 60FS as seed treatment @20ml/kg of seed.	TNAU, Coimbatore, 2012	0.1	-	Tesophenyu
	Integrated Pest Management	Management of White grubs in Potato with the application of Emamectin benzoate 5SG @ 12kg a.i/ha.	Central Arid Zone Research Institute, Jodhpur	0.5	-	Phesema
Animal Science	Breed introduction	Performance of Kadaknath birds in backyard system **Technology details:** Only black meat chicken breed of India. The bird is very popular due to its adaptability to the environment, disease resistance, tasty black meat, texture and flavour	JNKVV, 2017	-	-	Phesama
	Healthcare	Supplementation of AAUVETMIN (50 gm /cow/day) in dairy cattle **Technology details:** Enhances growth rate of the offspring, optimizes reproductive efficiency, regularizes reproductive cycle, reduces intercalving period, high milk yield, better health & immunity	AAU, 2013	-	-	Henbenji&Botsa
Agricultural Extension	Technology Backstopping	To evaluate the performance of pedal operated paddy thresher	OUAT, 2010	1 Nos.	-	New Tesophenyu
	Dissemination time/ Loss of technologies	To assess the performance of conoweeder in drudgery reduction	TNAU, 2012	5 Nos.	-	Khonoma

KVK Kiphere, Nagaland						
Agronomy	Varietal evaluation	Potato Kufri Kanchan, **Technology details:** DOS – February, 2020, Spacing – 60 x 20 cm,Average yield potential: 250-300 q/ha,	CPRI, Kufri, 1999	1.5	3	Singrep Phelunger
	Varietal evaluation	Toria Var. TS-67, **Technology details:** DOS – October-November, 2020, Seed rate – 10 kg/ha,	AAU, 2015	1.5	3	Phelunger
	Varietal evaluation	Performance Trial of Brocolli var. Pusa broccoli KTS under rice-brocolli cropping system, **Technology details:** DOS – September, 2020, Spacing – 45 x 45 cm, Seed rate –500 g/ha	IARI, 1996	1.5	3	Phelunger Longthonger
KVK Longleng, Nagaland						
Animal Science	Feeding management	Feeding management in grower pig **Technology details:** T1:Replacing of maize with 50 % Tapioca meal to grower pigs T2:Concentrate feeding T3:Farmers practice	NU, SASRD Medziphema, 2012	5	-	Hukphang, Lingtak, Yaongyimchen, Tangha
	Cold stress management of new born piglets	Cold stress management of new born piglets **Technology details:** Creep area with heat source to prevent pre- weaning mortality of piglets due to cold stress	ICAR (RC) for NEH Region, Umiam, 2011	5	-	Orangkong, Oushok, Muli, Pongching
KVK Mokokchung, Nagaland						
Agronomy	Varietal evaluation	Performance trial on soybean under rainfedJhum condition **Technology details:** VL soya -63 characteristics : Suitable under rainfed condition; Moderate resistance against frog eye leaf spot, pod blight and leaf blight; Yield potential : 11.3 qt/ha (under rainfed)	VKPAS, Almora, 2010	0.5	4	Longkhum, Yimchalu,
	Integrated Crop Management	Sequential cropping of Mustard after Jhum paddy **Technology details:** NRCHB -101; Characteristics: Early sown variety; Duration:107 days; Av. Yield : 19.93 q/ha; Production Conditions: Early Sown rainfed/irrigated	NRC-Rapeseed & Mustard, Bharatpur, 2009	0.5	4	Longsa, Longkhum
Horticulture	Varietal evaluation	Performance evaluation on ladies finger var. Arka Nikita	IIHR, 2017	0.25	3	Kubza, Mopungchuket, Longkhum
		Performance trial on Brinjal var. ArkaKeshav	IIHR, 2013	0.25	2	Ungma, Mangkolong

Plant Protection	Integrated Disease Management	Management of Leaf curl disease in King Chilli **Technology details:** Foliar spraying of Neem product (Achook) @2ml/l 2-3 times at 10-15 days or installing yellow sticky traps @ 10 traps/ha plus foliar spraying of Imidacloprid 17.8SL @0.5ml/l 20-25 days after transplanting	CAU, Imphal, 2013	1	6	Alichen, Kupza, Yisemyong
	Biological control (Insect/pest/ weeds etc)	Bio intensive IPM package for the pests of cabbage crops **Technology details:** a) Border plantation of mustard crops against *Plutellaxyllostella* (DBM) b) 3 release of *Trichogrammachilonis*, *T. Brassicae* @ 100000/ha against DBM and T. pieridis c) Mechanical collection of larvae of lepidopteran pests. d) Spray Bt 1 kg/ha at 15 days interval and NSKE @ 5% against lepidopteran pests 10 days interval for 3 times	NBAIR, Bengaluru, 2015	1	4	Yimchalu, Khensa
Plant breeding	Varietal/hybrid evaluation	Performance evaluation on Cowpea UPC 628	GP Pant UAT Patnagar, 2016	0.75	4	Kubza, Mopungchuket
		Performance evaluation on Pea ArkaAporva	IIHR, 2013	1	4	Khar Molong
Agricultural Extension	Impact Assessment	Impact assessment on Climate resilience technologies implemented by KVK, Mokokchung	-	-	-	Aliba, Kinunger
KVK Mon, Nagaland						
Agronomy		Maize+beans-Rajmah cropping system for rainfed conditions under organic management system	ICAR-National Organic Farming Research Institute,Tadong , Gangtok 2015	0.5	3	Chinglong, Langmeang, Ngangching
		Introduction of lentil variety IPL 316 **Technology details:** IPL 316Rhizobium @ 20gm /kg in rice fallow	IIPR Kanpur 2016	0.5	2	KVK farm, Langmeang
Horticulture		Introduction of Gladiolus Cv. Candyman for income generation. **Technology details:** Healthy disease free corms having diameter more than 2.5cm, remove dry scales and treated with bavistin2% for 30 mins, dry in shade. Plant in	Department of Horticulture, AAU, Jorhat, 2013	0.1	4	KVK farm, Ngangching, Aboi

		raised beds of 30cm high, apply well rotten FYM 5kg/m²				
		Low cost plastic tunnel for vegetable production of HYV/ improved variety-Garden pea (Arkel) **Technology details:** Tunnels of 1m high and 1.5m wide at the base, erected with bamboo sticks and wire, covered with UV stabilized transparent plastic sheet of 35 or 45 GSM	ICAR- NOFRI, Tadong-737102, Gangtok, Sikkim 2016	0.2	4	Kvkfarm, Langmeang
Plant Breeding & Genetics		Stability performance with different date of sowing of Barley var. **Technology details:** TO1- BHS 380 PusaLosar in rice Fallow land. TO2-Farmers practice. Potential yield –25.40 q/ha. Cost of Technology – Rs. 9000/-	ICAR-IARI, New Delhi. 2010	0.25	3	Aboi, Sowa and Changle
		Performance evaluation of black seeded soybean crop **Technology details:** TO1-Seed treatment of Soybean variety VL 65 with rhizobium @ 20gm/kg in paddy fallow TO2-Farmers Practice Potential yield –11.28q/ha. Cost of Technology – Rs. 9000/-	ICAR- VPKAS, Almora.2010	0.25	3	KVK farm, Sowa &Ngangching
Soil Conservation	Soil microbes (beneficial)	Yield assessment of ginger through use of organic in-puts & mulching on ginger **Technology details:** Azotobacter&Phosphotika @4 kg each/ha as rhizome treatment + dry weed bio-mass for mulching @ 2/ha	Bio-Control Lab (DoA), Medziphema, Nagaland 2016	0.5	4	Chinglong, Ngangching
	Organic farming	Performance of farm waste decomposer on broccoli (variety Green magic) **Technology details:** Waste Decomposer @ 30g + 2kg jaggery + 200 litre of water for 1 ton of farm crop residues.	National Centre of Organic Farming,Ghaziabad, 2018	0.5	4	Ngangching, Langmeang
Animal Science		T1. Improved low cost housing system of pig (housing and bedding materials i.e saw dust/rice bran will be provided) Duration: 8mths T2**.** Existing farmers practice as control	ICAR RC for NEH Region, Umiam, 2013.	5 Nos.	05	Angphang, Angjangyang, Sowa changle
		Performance evaluation of improved feeding practices in desi poultry birds	C.VSc, AAU Khanapara, 2008	55 Nos.	03	Phuktong&Tumei

KVK Phek, Nagaland						
Agronomy	Integrated Farming System/ Integrated Crop Management	Integrated Farming System/ Integrated Crop Management, **Technology details:** Variety – CAUR 1, CAUR2 and Kerebe (Local) Seedling age – 18-20 days old seedling Spacing – 20 X 20 cm MOS – 1st fortnight of June	ICAR Umiam, 2010	0.1	6	Kikruma
	Organic management system	Organic management system **Technology details:** Maize Variety – HQPM 1 Beans variety – Pant Anupama Seed rate – 20 & 50 kg/ha Spacing – 60 X 20 cm (Maize) Spacing 40 X 10 (Beans) MOS –April Application of Dolomite @ 2t/ha 15-20 days before sowing Seed inoculation with Azatobacter and PSB @ 20g/kg seed	ICAR Tadong, 2015	0.1	6	Porba
Soil Science	Soil health	Organic management in Cabbage **Technology details:** Azotobacter and PSB @ 75 gm each per 1000 seedlings Rock phosphate @ 375 kg/ha and vermicompost @ 5t/ha Farmer's practice	AAU (2019)	0.20	5	Phusachodu, Zapami
	Soil management	Organic management in Turmeric, **Technology details:** FYM @ 15t/ha FYM @ 10t/ha + Vermicompost @ 5 t/ha Farmer's Practice	AAU (2019)	0.1	5	Rihuba, Yoruba
Horticulture	Varietal evaluation	Performance of Pakchoi variety Pusa Pride and Choko(Check) **Technology details:** Seed rate: 400-500g /ha Vermicompost: 1kg/m2 Spacing:30x30cm	IARI, 2019	0.05	5	Porba, Pfutsero
	Varietal evaluation	Performance of Dolichos bean var. Arka Jay and local check. **Technology details:** Seed rate:10-12kg/ha Spacing: 100x75cm	IIIHR, Bangalore, 2018	0.10	5	Porba Gidemi
Animal Science	Breed Introduction	Introduction and evaluation of performance of CARI Uttam (Broiler Quail) under local feeding system	ICAR CARI, 2001	10 units	10	Runguzu Thipuzu, Phusachadu, Upper Khomi
	Others	Assessment of socio-economic impact of semi intensive mithun farming in Phek district	ICAR NRCM/ 2016	4	4	Porba, Gidemi, Thevopisu, Pholami

KVK Peren, Nagaland						
Plant Breeding & Genetics	Varietal / hybrid evaluation	Varietal / hybrid evaluation of Lowland rice **Technology details:** Lowland rice: T1-RCM 13 T2-Local check-Raja Dhan	ICAR Manipur Centre, 2016	0.5	3	Jalukiekam Beisumpuikam Jalukie
	Varietal / hybrid evaluation	Performance assessment of lowland Greengram under Rainfed condition **Technology details:** T1-Tripura Moong T2-Pusa vishal T3-Pusa 9531	ICAR Tripura Centre- 2012 AAU, Jorhat	0.5	5	Jalukiekam New Jalukie Deukwaram
Soil Science	Soil management	Integrated Nutrient Management in French Bean, **Technology details:** T1- Bio-fertilizer (Azotobacter+PSB) @ 2 kg/ha + Vermicompost 1t/ha incubated for 15 days and NPK @ 60:30:30 kg/ha mixture applied in circle as band placement at 10 & 30 days after sowing. T2- Farmer Practice. Urea-100kg +50Kg DAP	AAU, 2015	0.5	5	Jalukie area
	Soil microbes (beneficial)	Application of Biofertlilizer in Lowland Rice (Pusa Sughand-5), **Technology details:** T1- Azospirillum @ 6.25 Kg/ha + PSB @ 6.25 Kg/ha T2-Azospirillum @ 6.25 Kg/ha + PSB @ 6.25 Kg/ha+ Vermicompost @ 2 t/ha T3- Control	AAU, 2011	0.5	5	Bonkolong Village
Animal Science	Breed introduction	Performance of Srinidhi under Backyard system, **Technology details:** T1- Backyard poultry (Srinidhi) T2- Backyard poultry Control (Vanaraja)	ICAR-DPR, Hyderabad, (2008)	-	10	Deukwaram, Jalukieram, Ngwalwa,Jalukie Town
	Feeding management	Replacing of Maize with 50% tapioca root meal for grower pig, **Technology details:** T1- Replacing of Maize with 50% tapioca root meal grower pig T2- Concentrate feeding T3- Farmers practice	Nagaland University, SASRD, 2012	-	5	Jalukie town, New Jalukie, Mhainatshi
KVK Tuensang, Nagaland						
Agronomy	Sequential Cropping	Utilizing Jhum fallow through Double cropping of Wheat to increase income per cropping year **Technology details:**	IARI, 2015	0.5 ha	3	Kuthur

		HS 542 (Pusa Kiran) Characteristics**:**Semi-dwarf Resistant to stripe and leaf rust Yield potential: 6.03t/ha Production Conditions: Early Sown rainfed Recommended areas: North Eastern Hills				
	Sequential Cropping	Utera cropping of Mustard in Maize based cropping system under Jhum, **Technology:** PusaMustard 28 (NPJ-124) Characteristics: Early sown variety with 41.5% oil content and high temperature tolerance. A good substitute of Toria Duration:107 days Av. Yield: 19.93 q/ha Production Conditions: Early Sown rainfed/irrigated	IARI, 2012	0.75 ha	3	Noklak&Nokyan
Horticulture	Plant propagation	Farmer Friendly Low-Cost Structure for Organic Kiwifruit Multiplication through Cuttings, **Variety**: Hyward **Technology details:** Growing medium: perlite, vermiculite, cocopeat and vermicompost (1: 1: 1: 1 ratio) Propagation: Semi-hardwood cuttings. Growth regulator: 400 ppm IAA dipping for 24 hr. Cuttings:0.5-1.0 cm thickness and about 15-20 cm in length to be used. Critical Inputs Required: Jute bags, bamboo, nails, binding wire, etc	ICAR-National Organic Farming Research Institute (2015)	2 units	4	New Tuensang Village
	Production Technology	Cultivation of Carrots by using organic sources of nutrients for better quality and income.&SVRC, Delhi, 2008 **Technology details:** Carrot var. PusaRudhira Check var. ImprovedKuroda Characteristics: Long red roots with self coloured core and triangular shape Av. Yield :30 t/ha Production Conditions: Sowing time- Sept-Oct Harvesting –Dec- Jan Seed rate: 5-6 kg/ha Spacing: 30 cm x 10 cm	AAU, Jorhat, 2012	0.25	2	Chendang and Botambou village
	Production Technology	Popularization of Cauliflower varieties for year-round production and more income	AAU, Jorhat, 2012	0.5	5	BotambouandChendang village

		generation **Technology details:** Varieties: Mid-season: Candid Charm Av. Yield :24 t/ha Late season: Madhuri Av. Yield :30t/ha Time of sowing: Mid-season: Aug-Sept Late season:Oct-Nov Seed rate: 400-500 g/ha Spacing: Mid 45cm x 45 cm Late 60 cm x 45 cm				
	Production Technology	Popularization of Onion variety ArkaKirthiman for enhancing the income of farmers **Technology:** Onion var. ArkaKirthiman Check variety: Bhima Kiran Seed rate:10-12 kg/ha (rabi) Spacing: 15 cm x 10 cm; Time of sowing: Oct.-Nov. (rabi) Av. Yield : 45 t/ha	ICAR-IIHR, 2011	0.5	5	Tuensang village and Botambou village
Plant Breeding and Genetics	Non cultivation of Rabi maize	Performance of Maize Varieties in post-Kharif and Rabi Season. **Technology details:** RCM – 76	ICAR NEH Region, Umiam, 2012	1	7	Keshai, Sangsangnyu ,kvk farm and Tuensangvillage,
	Owing to various constraints such as variety selection and use of old variety	Performance assessment of soyabean varieties for Kharif season, 2014 **Technology details:** JS-20-34 Maturity:86-88days Yield(kg/ha):2052 Oil and protein content:20.30%and 40.8% Salient features: determinate growth habit, white flower, pod pubescence absent, yellow pod and medium seed size	JNKV, Jabalpur	1	6	Sangsangnyu & adopted village
Soil Science	No nutrient management in jhum paddy	Assessment of Brown manuring (Dhaincha) in upland/jhum paddy, **Technology details:** Broadcasting &growing Dhaincha crop @ 20 kg/ha alongwith upland jhum paddy upto 25-30 days and knocking it down by using 100 kg salt/ha (10% NaCl) about 25- 30 days after sowing	G.B Pant University of Agriculture, Pantnagar&ICAR-ATARI and ICAR for NEH	0.30	3	Sangsangnyu

	Non use of organic inputs/ biofertilizers	Assessment on application of biofertilizer & paddy straw mulch in soyabean	Nagaland State Biofertilizer Lab, Medziphema, Nagaland & ICAR Complex for Eastern Region, Patna	0.15	3	Longkhim& Sangsangnyu
Plant Protection	Integrated Pest Mgmt	Indigenous Traditional Knowledge (ITK) for management of Gundhi bug in Rice, **Technology details:** 1.Rotten craps/fish @ of 50-100 traps/ha 2.Seed treatment using *pseudomonas fluorescens@* 5ml/L/kg seed 3.Seedling root dip treatments with *pseudomonas fluorescens* @ 5ml/L/kg seed	Farmers' ITK	0.5	4	Chingmelen &Tuensangv illage
	Store grain pest	Hermetic storage bag	Indian Institute of Crop Processing Technology (IICPT), Thanjavur, India	300 units	4	Hakchang& Botambou village
KVK Wokha, Nagaland						
Horticulture	Varietal Evaluation	Performance trial on cultivation of tomato var. Arkasamrat and Arkarakshak **Technology details:** TO1: var. Rakshak (Potential yield: 75-80 tons/ha, semi determinate, suitable for summer, kharif and rabi seasons, First F_1 hybrid with triple disease resistance to ToLCV, BW and early blight TO2: var. Arkasamrat (potential yield: 80-85 tons/ha, semi determinate, suitable for summer, kharif and rabi seasons, triple disease resistance to ToLCV, BW and early blight TO3: Farmers variety (Kolphera) Seed rate: 500 gm/ha Spacing: 60 cm X 60 cm Recommended Nutrient: FYM @ 25 t/ha, NPK @ 60:40:30 kg /ha , Half dose of nitrogen and full dose of phosphorus and potash at the time of transplanting, rest amount of nitrogen in two equal split doses 30 DAT and next dose 60 DAT. Transplanting time: June to July	IIHR, 2010 (ArkaRakshak) IIHR,2016 (Arka Samrat)	0.02	3	Wokha

	Varietal Evaluation	Performance trial on Garlic var. VL Lahsun 2 and VL Garlic 1 **Technology details:** TO1: VL Lahsun 2 Potential yield: 150-240 q/ha Resistant to purple blotch and stemphylium blight diseases under field condition TO2: VL Garlic 1 Potential Yield: 140-150 q/ha TO3: Farmers' practice (Sangra) Planting time: October Seed rate: 3.5 to 5 q/ha (bulbs) Spacing: 15X7.5 cm Recommended Nutrient: FYM 25 t/ha, NPK @ 50:30:30 kg, half dose of nitrogen and full dose of phosphorus and potash at the time of sowing and remaining dose of nitrogen top dressed 45 days after planting. Disease management: Spraying of copper oxychloride @ 2g/lit water. Pest management: spray of neem oil	ICAR-VPKAS, 2012	0.02	3	Elumyo Wokha Doyang Baghty
Animal Science	Poultry Egg Laying Cabin	Innovative Egg Laying Cabin with specific dimension cabin to lay poultry eggs without disturbance from other birds. The floor of laying cabin will be laid with saw dust for preventing egg breakage. Top cover will be for opening for collection of eggs easier,	Regional Center of Central Avian Research Institute, Bhubaneswar (Odisha), 2008	3 units	3	Wokha and Sanis villages
	Feeding Management	Low cost pig feed formulation by using banana pseudo- stem	ICAR, Barapani, Umiam, 2019	3 units	3	New Wokha, Elumyu and Wokha villages
Home Science	Value Addition	Performance trial on VL solar dryer for drying of different food products (Leafyvegetables, spices, fruits **Technology Details:** Selection of farmers T1: Drying of leafy Vegetables, Fruits & spices T2**:** Drying time &Sensory evaluation of the processed products like Color, taste, texture using 9-point Hedonic scale & Shelf life study	ICAR-VPKAS 2018	3 units	3	Wokha Yikhum Koio
Agricultural Extension	Impact Assessment	Impact Assessment on Vocational Trainingprogrammeconducted since last 5 years **Technology Details:** Random	ICAR RC, Umiam, 2018	50 nos	60	Wokha, Koio, Elumyuo Yanthung

		sampling of trainees (60 nos.) within the districts from all the blocks who has attended Statistical analysis needed- Average, Frequency and Percentage Parameters: ➢ Training Facilities ➢ Knowledge improvement / test ➢ Development of skill ➢ No of trainees involved in entrepreneurship activities after attending the training ➢ Income of the trainees before and after attending the training ➢ Change in attitude.				
	Others	Cultivation of Milky White Mushroom, **Technology details** Species: Milky white Mushroom Season: May – Aug Days taken for Spawn Run Days taken for pinhead formation Yield Data Time taken for I, II and III flush Cost benefit ratio.	State Horticulture Nursery Dimapur, Nagaland 2018	3 Units	3	Wokha Doyang Baghty
KVK Zunheboto, Nagaland						
Agronomy	Varietal evaluation	Assessment of Soybean Var. JS-9560 under rainfed condition of Zunheboto district	VPKAS, 2008	0.2	2	Lumithsami, Alaphumi
	Integrated Farming System/ Integrated Crop Management	Performance on Maize - Beans cropping system for rainfed condition under organic management system (Maize - Beans cropping system for rainfed condition under organic management system	ICAR National Organic Farming Research Institute, Tadong, Gangtok 2015	0.2	2	Aotsakilimi, Aizuto
Horticulture	Integrated Weed Management	Use of black polythene 30 micron as mulching material before sowing of Okra seed	SASRD, NU (Pipeline)	0.01	2	Shichimi &Lumithsami
	Orchard Rejuvenation	Mounting of 50% Agro shade net on kiwi vines at the end of March and keep it for 60 days	ICAR-National Organic Farming Research Institute ,Sikkim, 2016 (Technology Inventory Book)	0.5	3	Tichipami& Aotsakili
	Others	Pusa hydrogel as basal application at final land ploughing below soil surface, (Technologies for Doubling farmers income Book)	IARI ,New Delhi,2012	0.02	3	Lita New, Lumami

Plant Protection	Integrated Pest Management	Assessment of Application of Arka Neem Soap to reduce Incidence of Fruit and shoot borer infestation in Brinjal. **Technology details:** (Application of Arka Neem Soap @4gm/lit of water, applying 4 sprays at 15 days interval)	ICAR, IIHR, 2018	0.25	3	Lumami
	Product evaluation (Efficacy)	Assessment for management of white grub in potato. **Technology details:** (Soil treatment with Quinalphos 25EC @400g/ha(1.5lit/ha or 2ml/lit of water)	AAU, Jorhat 2015	0.1	3	Zaphumi
Animal Science	Poultry production	Dual Purpose Vanaraja breeds	ICAR-DPR, 2010	-	10	Sumi Settsu, Maromi, Litta Old Lumami A
	Piggery production	Hampshire cross-breed (75%)	NRC on Pig, Rani. 2009	-	10	Maromi, Lumami, Zaphumi B, Setemi
Home Science	Value addition	Processing and value addition of gooseberry	TNAU, 2013	-	3	Lumami Zaphumi
	Energy saving tools/ devices	Fruit Harvester	TNAU,Coimbatore 2010	-	3	Lumami Zaphumi Alaphumi
Agricultural Extension	Benchmark Survey (PRA etc)	Participatory method		1	3	
	Impact Assessment	Effectiveness of different type of mass media in knowledge gain with respect to agriculture and allied		1	3	
KVK Dhalai, Tripura						
Agronomy	Varietal evaluation	Varietal evaluation on Black Gram Variety IPU-02-43 **Technology details:** Productivity: 1.5-1.7t/ha Season: Kharif	IIPR, Kanpur 2009	12.35		Salema GP
	IPM on Paddy	Integrated pest management in rice Variety- Gomati Details: Seed treatment with Imidaclorprid @ 2 ml/kg seed Management of spacing @ 25X20 cm Releasing Trichoderma chilonis @ 50000parasitized eggs/ha after 30days of transplanting Instalation of pheromone trap @ 20 traps/ha after 35 days of transplanting Spraying with thiamethoxam 25 WG @ 100 gm/Ha when needed	CAU, 2013	12.35		Salema GP

	IPM on Potato	Integrated pest management in Potato. **Technology details:** Foliar spray of 1% urea at 30 and 45 DAS for yield improvement in black gram + Soil application of 25 kg ZnSo4/ha	AAU 2015	12.35		Salema GP
KVK, Khowai, Tripura						
Soil Science	Integrated Nutrient Management	Assessment on performance of Arka Vegetable Special for Correction of Boron Deficiency in Cauliflower **Technology details:** T1:: Application of Arka Vegetable Special in Cauliflower @5g/lit of water as Foliar Spray along with Application of NPK:74:50:60 T2:Application of Borax@1g/lit of Water along with application of NPK:74:50:60 T3: Control (farmers Practice) (Application of Only NPK:74:50:60)	IIHR, 2018	1	9	Adopted Village
	Integrated Nutrient Management	Assessment on performance of Root dipping in SSP-mc Slurry method of P management **Technology Details:** T1:Step-I:Root dipping of paddy seedling in soil-water slurry amended with SSP Step II: Root dipping of paddy seedling in soil water slurry amended with MC Step III: Broadcasting of RP @ 125kg/ha along with 50% Recommended dose of N &K in the main field T2: Farmers practice(Direct Transplanting of Paddy Seedling to the main field)	CPGS, CAU, Umiam, 2016	1	10	Adopted Village
Horticulture	Flower production	Varietal evaluation of Marigold T1: Variety PusaNarangi T2: Local	IARI	0.30	6	Adopted Village
	Nutrient management	Integrated Nutrient management in Colocasia T1: Vermicompost 2t/ha + 75% Rd (80:60:80kg/ha) of NPK. The Enitre quantity of Vermicompost, P_2O_5, K_2O and Half quantity of the N is applied as Basal. Remaining quantity of N Splited in twoparts , one applied at first earthing up (1 month after	AAU, 2017	0.30	6	Adopted Village

		planting) and 2nd is applied at the time of 2nd earthing up (2 months after planting) T2: 75% Rd (80:60:80kg/ha) of NPK. T3: Farmers practice.				
Plant Protection	IPM	Assessment of ecofriendly management of tomato fruit borer T1:(HaNPV@1.5x1012 OB ha^{-1}-*Btk*@1 kg ha^{-1}-Azadirachtin 1.2 EC@1000 ml ha^{-1}) T2: (HaNPV@1.5x1012 OB ha^{-1}-*Btk*@1 kg ha^{-1}-Spinosad@75g a.i. ha^{-1}) T_3: Farmer practice	CAU, Imphal, 2017	10	1	Adopted villages
	IPM	Assessment and validation of IPM modules against papaya mealybug **Technology details:** M1**:** Cultural + Mechanical + Biological M2: Cultural + Mechanical + Biological + Chemical M3: Farmer practice Cultural and Mechanicalcontrol Pruning of infested branches and burning them and Application of sticky bands or alkathene sheet or a band of insecticide on arms or on main stem to prevent movement of crawlers Biological control Release of Anagyrusloecki / Acerophagous papaya / Pseudleptomastrix Mexicana Chemical control Locate ant colonies and destroy them with drenching of chlorpyriphos 20 EC @ 2 .0 ml/litre of water. Alternate spray of dimethoate 30 EC (2 ml/litre), thiomethoxam 25 WG (0.6 g/litre), imidacloprid 17.8 SL (0.6 ml/litre)	SVPUAT, Meerut, 2015	10	1	Adopted villages
Agricultural Extension	Impact assessment	Assessment on Impact of Solar nano-pump on the livelihood of the NICRA farmers	Own		2	Khowaidist
	Impact assessment	Impact of cultivating pulses towards sustainable agriculture	Own		2	Khowaidist
Home Science	Drudgery reduction tools	Improved Kokcheng (Bamboo Busket)	CAU, College of Home Science,2015	10	10	Adopted Village
	Post harvest management	Solar Dryer	CAU, College of Engineering , Sikkim,2016	5	5	Adopted Village

Animal Science	Feeding management	T1: Low cost Hydroponic device for fodder cultivation (Made of Bamboo & Aluminum tray)T2: Low cost Hydroponic device for fodder cultivation (Made of Bamboo &Polythine) T3: Farmer's Practice(Tree leaves and tethering at low nutritious fodder)	TANUVAS, 2016		6	Adopted Village
	Housing	T1: Rural Poultry Cage (Wood& CG Sheet) T2: Rural Poultry Cage (Bamboo& aluminum Sheet) T3: Farmer's Practice (Bamboo Cages kept inside house)	TANUVAS, 2016		6	Adopted Village
Fishery Science	Pond management and high value fish culture	Assessment on performance of Pengba fish in polyculture system **Technology details:** T1- Stocking of IMC, Exotic carp and Pengba fish, Stocking density 8000 nos. Catla 20%, Silver carp 10%, Ruhu 30%, Pengba 10%, Mrigal 15%, Common carp 15%. T2- Stocking of IMC, Exotic carp and Pengba fish, Stocking density 8000 nos.Catla 20%, Silver carp 10%, Ruhu 35%, Pengba 5%, Mrigal 15%, Common carp 15%. T3- Fish culture without Pegba fish	CoF,CAULembucherra, 2015	0.48	6	Adopted village
KVK North Tripura, Tripura						
Agronomy	Varietal evaluation	Crop / Enterprise- Wheat Problem with severity- Non practice of dual purpose of wheat variety Technology -Assessment of dual purpose wheat variety-VL Gehun 829 **Technology details:** Spacing – 20 X5 cm Integrated nutrient management with 50% NPK and 50% FYM,, Fertilizers dose- 20-60-40. Resistant to Yellow and brown rust and loose smut. Cutting of green fodder scheduled at 70 and 85 DAS	VPKPS Almora, ICAR, 2009 CVRC	0.48	3	Kunjaban Tilthoi Damcherra
	Tillage Management/ Farm Machinery	Crop / Enterprise- Paddy - Pea, Problem with severity- Practice of mono cropping. **Technology details:** Assessment of zero tillage Field	ICAR Research Complex for NEH Region. Umiam, 2011	0.48	3	West Tilthoi, Pekucherra, Joyshree

		Pea production in rice fellow Details of Technology :- Paddy (Gomoti) & Filed Pea (Prakash) Spacing – 25 X10 cm Integrated nutrient management with 50% NPK and 50% FYM 20 cm standing stables in low land Fertilizers dose- 20-60-40, two applications of 2% DAP.				
	Integrated Farming System/ Integrated Crop Management	Millet, Problem with severity- After harvesting of Paddy upland remains uncultivated. **Technology details:** Assessment of Cropping Sequence (Paddy- Finger Millet) for Hill Zone under rainfed condition. Details of Technology :- following crop sequence on Hill slopes of hill zone under rained condition Direct seeded Aus rice (Hakuchuku-2 & Millet (KMR - 340) Farmer Practice- single crop (Paddy)	TNAU, 2015	0.48	3	Singharmbari, Madhuban, Chandra Halam Para
Horticulture	Varietal evaluation	Performance of Tomato Var T1- ArkaAbhed (H-397) T2- Arka Samrat T3- Check (ArkaRakshak) **Technology details:** T1 – ArkaAbhed- resistance to four disease bacterial wilt, leaf curl, Early blight & Late blight) T2 – Arka Samrat - resistance to three disease (bacterial wilt, leaf curl, Early blight) (Check – ArkaRakshak - resistance to three disease (bacterial wilt, leaf curl, Early blight) but not resistant to late blight	IIHR, 2018, 2014, 2015	0.39	3	(Jubarajnagar Block), (Damcherra), (Panisagar block)
	Integrated Farming System/ Integrated Crop Management	High density planting in papaya (Carica papaya L.) Variety – Red Lady Papaya Problem diagnosis (with extent/ severity of problem -Low yield in conventional cultivation practices **Technology details:** Planting season- July 2020 , Spacing of 1.75 x 1.75 m against 2 x 2 m (Check) . Nutrition- Papaya plant needs heavy doses	KAU, Kerala , 2006	0.8	5	Kadamtala, Panisagar, Jubarajnagar

		ofmanures and fertilizers. Apart from the basal dose of manures (@ 10 kg./plant) applied in the pits, 200-250 g. each of N, P2O5 and K2O are recommended for getting high yield. Application of 200 g. N is optimum for fruit yield but papain yield increases with increase in N upto 300 g. Micro-nutrients viz. $ZnSO_4$ (0.5%) and $H_2 BO_3$ (0.1%)				
Fishery Science	Varietal evaluation (Breed evaluation)	Evaluating the performance of Amur carp (*Cyprinus carpio*var. *haematopterus*) in Composite fish culture system.(Optimization of Stocking Density) (2^{nd} year) **Technology details:** T-1**:** Amur stocked @ 3500 nos./ ha along with IMC @ 6500 nos./ha, (Catla:Rohu: Amur carp = 3000:3500:3500) T-2: Amur stocked @ 4500 nos./ ha along with IMC @ 5500 nos./ha, (Catla:Rohu: Amur carp = 3000:2500:4500) T-3: Farmer Practice (without Amur carp) Culture period 10 months, Feeding with balanced feed @ 3 % body wt. With 24% crude protein.	ICAR Research complex for NEH region, Barapani Year of release-2014	0.48	3	Deocherra Agnipasa Panisagar
	Integrated Farming System/ Integrated Crop Management	Rice fish farming under mid hill condition (2^{nd} year) Problem diagnosis (with extent/ severity of problem) - Low net profit and higher cost of production from single enterprise /crop / farming. **Technology details:** T-1**:** Fish to be stocked @ 6000 nos./ha in paddy field T-2: Farmers practice(only paddy) [Fish species to be stocked are- *Cyprinus carpio var. communis*. & *Puntius sp.* Fish fingerling size- (6-7)cm, Culture period – 5 months, With little or no supplementary feeding]	Division of Fisheries, ICAR Research complex for NEH region, Umium, Meghalaya. Year of release-2013	0.48	5	**Balidhum ADC village, Boithang-bari, Bhagyapur.**
Animal Science	Varietal evaluation (Breed evaluation)	Performance of Dual Purpose Poultry breed T1- Kamarupa T2- *Kadaknath* *T3 – Banaraja (Check)*	AAU, Jorhat, Jhabua District of Madhya Pradesh	10 units	10	KadamtalaPanisagar KVK farm

			(GI Tag), 30th July 2018			
	Breed evaluation	Assessment of growth performance of cross breed Pigs under Local condition (*Hampshire X Ghungru*)	NRC Pig , Rani (ICAR), Assam, 2009	5 units	5	Jubarajnagar Kadamtala Panisagar
KVK South Tripura, Tripura						
Plant Protection	Integrated Pests Management	Eco-friendly management of pests and nematodes in Broccoli **Technology details:** T1: Neem soap and Biopesticides (*Trichoderma viride* + *Pseudomonas fluorescens* + *Pochoniachlamydosporia*) enriched Farm Yard manure) T2: Farmers practise (Control) Parameters: Reduction in Infestation %, yield, B:C ratio	IIHR(ICAR), 2018	1.5	15	Paikhola, Laxmicherra
	Integrated Disease Management	Efficacy of Bio-pesticides in management of King chilliwilt disease **Technology details:** T1: Seed treatment with talc formulation of T. harzanium @ 10g /kg and shade dried for 12 h. T2:Farmers practice Parameters: Reduction in Wilt Infection %, yield, B:C ratio	IIVR (ICAR), Varanasi, 2016	1.5	15	West Paikhola, Birendra nagar
Soil Science	Soil health	Performance trial on Early (January & August) Bhindi (F1-597 /VNR 999) cultivation with Integrated Nutrient Management (INM) Practice under Bhindi-Maize based cropping sequence for optimization of production and profitability in South Tripura condition.	BCKV, Nadia, 2015	0.5	20	South Tripura
	Soil Management	Assessment trial on *kharif*paddy cultivation with green manuring (GM) practice for improving soil fertility and higher rice productivity.	ICAR, Nagaland Centre, 2015	1.0	10	South Tripura
		Performance trial on Spraying of 0.1% boron & 0.5% ZnSO4 during flowering stage in Indian Mustard	AICRP-RM, 2016	1.0	10	South Tripura
Animal Science	Farm Mechanizatio n	Evaluation of effectiveness of automated electrical egg incubator over conventional method of egg hatching by broody hens. **Technology details:** T1: Hatching of eggs through automated egg incubator. T2: (Farmers Practice) Hatching	National Innovation Foundation-India (2012)	-	24	West Pilak, Mandaria

		of eggs through local broody hens. Hatching %,no of egg hatch/batch, Chicks survivability upto 4th week age, Economics.				
	Nutrition management	Evaluation of productive& reproductive performances of lactating cattle through supplementation of mineral mixture AAUVETMIN. **Technology details:** T1: Supplementation of AAUVETMIN T2: Farmers Practice(Without any mineral supplement) Parameters: Milk yield, Fat % & SNF % in milk, Calving to first service, intercalving interval, etc. & Economics	C.V.Sc., A.A.U. (2013)	-	2	Purba Manu, West Pilak, Bedantapara.
Fisheries	Introduction of high value fish	Growth and production assessment of high value Pabda fish in Carp Polyculture for income generation **Technology details:** T1: Catla: Rohu: Mrigal: Pabda (40:30:15:15) (10), T2: Catla: Rohu: Pabda (40:30:30)(10), T3: Catla: Rohu: Mrigal (40:30:30) (10), Other management practices for all technology options are as per the package of practices followed in 'composite fish culture' technology Total trials: 30, Parameters: Growth and survivability of Pabda and other carps, total fish yield, net return and B:C ratio	ICAR, Tripura Centre, 2018	5.0	30	South Tripura
	Pond Management	Comparative assessment on economic profitability of different stocking and harvesting strategies in Carp grow-out system **Technology details:** T1: SSSH (7500 nos./ ha, 1 stocking & 1 harvesting) (10), T2: SSMH (12000 nos./ha, 1 st0cking & 3 harvesting) (10), T3: MSMH (18000 nos./ha, 3 Stocking & 3 harvesting) (10)Other management practices as per the package of practices for carp grow-out. Total trials: 30, Parameters: Average length and weight during stocking and harvesting,	ICAR, 2015	5.0	30	South Tripura

		Farm gate price of fish, Economics				
Home Science	Value Addition	Standardization of value added products of Karonda (*Carissa carandas)* **Technology details:** i) Development of Karonda chutney ii) Development of Karonda pickle iii) Development of Karonda jam	AAU, Anand 2017		10	South Tripura
	Value Addition	Assessment on use of lemon grass tea (Cymbopogon) Krishna var.	Sui Generis Agronomy Pvt. Ltd., Imphal, Manipur, 2017		10	South Tripura
KVK Sepahijala, Tripura						
Agronomy	Varietal evaluation	Assessment of Rice Varieties T_1 – Gomati T_2 – Tripura Chickan **Technology details:** Seed rate: 50 kg/ha Duration: 125-130 days Spacing: 20 cm x 10 cm Fertilizer requirement: 60:40:40 kg/ha Sowing time/planting time: June-July Critical inputs required: Seed and Fertilizers	ICAR Research Complex for NEH Region, Tripura Centre,2015	1	3	Chickoncherra/ Suturmura/Latiacherra/bishramganj/Golaghati/charilam/jampuijala/Bishalgarh
	Varietal evaluation	Assessment of maize variety VMH-45 **Technology details:** Seed rate: 20 kg/ha Types of sowing: Line sowing Spacing: 60 cm x 25 cm Sowing time/planting time: May-June Fertilizer requirement: 120:60:60 kg/ha Duration (Days): 85-90 days Adaptation: *kharif* Critical inputs required: Seed	ICAR-VPKAS, Almora, Year of Release 2013	1	3	Chickoncherra/ Suturmura/Latiacherra/bishramganj/Golaghati/charilam/jampuijala/Bishalgarh
Horticulture	Varietal evaluation	Staggered Planting in Pineapple **Technology details:** Variety: Queen Suckers and Slips(300,600 and 900g) planting from April to October at monthly intervals Chemical induction by application of ethephon at 25 ppm at 38-40 leaf stage	ICAR Research Complex for NEH Region, Tripura centre, 2005	1	3	Chickoncherra and sutarmura
	Integrated Nutrient Management	Performance of integrated nutrient management in colocasia **Technology details:**	Deptt. of Horticulture, AAU, Jorhat,	1	3	Chickoncherra/sutarmura

		T1: vermicompost 2t/ha +75% of Rd(80:60:80 kg/ha) of NPK.The full amount of vermicomst,P_2O_5,K_2O and half amount of the N is to be applied as basal.Remainingquantity of N is splited in two parts ,one applied at one month after planting along with earthing up and second at 2 months after planting(2^{nd}eathing up) T2: 75%Rd(80:60:80) kg/ha)	2017			
	Integrated Nutrient Management	Assessment on integrated nutrient management in okra **Technology Details:** T1.VNR+75%NPK, Farm Yard Manure @ 2.5t/ha+ Vermi Compost @1.25 t/ha +Neem Cake @0.5t/ha T2. Noori+75%NPK, Farm Yard Manure @ 2.5t/ha+ Vermi Compost @1.25 t/ha +Neem Cake @0.5t/ha T3.Farmer practice Spacing: 50 cm X 45 cm Seed rate: 10 kg/ha	IIHR,Bengaluru, 2017	1	3	Chickoncherra/sutarmura
Plant Protection	Integrated Disease Management	Organic management of blast disease in rice **Technology details:** Sowing time :June 2020 Critical inputs required: Seeds, N, P, K, FYM, neem cake, spraying machine, rose can, &neem oil etc 1. Field sanitation 2. Seed treatment with *Pseudomonas flouresences*@ 10g per kg of seeds 3. Foliar application of copper oxycholoride @ 0.25% or copper hydroxide @ 0.25% immediately after onset of disease and continued at 7-10 days interval.	ICAR-National Organic Farming Research Institute Year of Release 2016	1	3	Chickoncherra/ Suturmura/Latiacherra
	Integrated Pest Management	Performance of neem oil for the insect pest management of cabbage **Technology details:** Dose: 4ml/litre of water Duration: 3-4 months Sowing time :September2020 Critical inputs required: Seeds, N, P, K, FYM, neem cake, spraying machine, rose can, &neem oil etc 1. Foliar spray of neem oil @ 4ml/litre of water at 10 days interval for 5 times starting from	University of Horticulture & Forestry, Solan, 2011	1	3	Chickoncherra/ Suturmura/Latiacherra

		20days after transplanting (DAT). 2. In nursery, seeds will be sown at the spacing of 2-3 cm (seed to seed) x 8-10cm (row to row) and application of neem cake @ 50 per sq. meter area in furrows.				
Fishery	Integrated Farming System/ Integrated Crop Management	Assessment of fishery based integrated farming with poultry to reduce cost of production. **Technology details:** Critical inputs: fish seed; Fishery integrated with poultry birds (indigenous variety). Farmers' Practice (as control check: without integration with poultry)	College of Fisheries, Central Agricultural University (I), Lembuchera Tripura, 2010	0.40	1	South Madhupur, Bishalgar R. D. Block, Bishalgarh Sub-division, Sepahijala district
	Others (Feed)	Assessment of locally available fish feed in growth performance & survival of carps in polyculture system. **Technology details:** Critical inputs: fish seed and Duck weed+ Rice bran+ Mustard oil cake. Farmers' Practice(as control check: without any feed)	College of Fisheries, Central Agricultural University (Imphal), Lembucherra, 2014	0.40	1	South Madhupur, Bishalgar R. D. Block, Bishalgarh Sub-division, Sepahijala district
Agricultural Engineering	Water and weed Management	Assessmentof plastic and straw mulch in tomato production to reduce water consumption and weed growth **Technology details:** • Polythylene mulch 30 micron thickness with silver and black coatings • Straw thickness- 6 inch • Spacing 60 x 45 cm	ICAR- Indian Institute of Horticultural Research, Bengaluru, Karnataka, 2017	1	3	Laticherra/ Chickoncherra/ Sutarmura
	Drudgery Reduction	Performance of modified Conoweeder **Technology details:** • Push and pull type weeder. • Overall dimension 1740x200x940 mm. • Weight approx = 7 kg • It mainly consists of two rotors, float, frame and handle • Rotors are cone frustum with serrated strips, mounted in tandem with opposite orientation. • No of person required- 1	Division of Agricultural Engineering, ICAR Research Complex for NEH Region, Umiam, Meghalaya. 2008 ICAR-CIAE, Bhopal, (2017)	1	4	Sutarmura
Livestock Production	Breed Improvement	Performance of Backyard Poultry Production in Rural area with	**Shrinidhi** – ICAR-DPR,	10 unit	10	Latiachara

		Improved Poultry Bird **Technology details:** Srinidhi Bird	Hyderabad (2013)			
KVK West Tripura, Tripura						
Agronomy	Nutrient Management	Spraying of 2% urea during flowering and pod filling stage in Mustard Technology options T1: 2% urea at pod filling stag T2: 2% urea at flowering and pod filling stage (Farmers' practice) Parameters 1) Plant height 2) No. of branches 3) No. of siliqua per plant 4) Seeds per siliqua 5) Seed yield 6) Test weight 7)Yield advantage 8)Economics	AICRP Rapeseed and Mustard , 2013	2 ha	6	Brajabashipara and Brigudaspara
	Nutrient Management	Evaluating the fertilizer N dose for optimum production of the improved rice variety *Gomati* in the agro-climatic condition of West Tripura. **Technology options** T1: N P K @100:60:60 kg/ha T2: N P K @80 :40:40 kg/ha (Farmers' practice) Parameters to be recorded Plant parameters • Plant height • No. of tillers • No. of panicles • Length of panicles • No. of filled grains per panicle • Test weight • Yield/ha Soil parameters • Soil NPK before raising the crop • Soil NPK after harvesting Soil organic carbon and pH	ICARNEH, Tripura centre, 2015	2 ha	10	Bhrigudaspara, Raktia, Lankamura
Agricultural Extension	Others	Study of performance of existing marketing channel of Lemon **Methodology:** Data collected through Semi structured questionnaire T1: Producer- middle man T2: Producer –wholesaler Farmers practice: Producer-			50	Jirania and mandai

		Local market Parameters 1) Income 2) Profit				
	Others	Study of performance of SHGs of West Tripura district **Methodology:** Data collected throughSemi structured questionnaire Income savings			50	Belbari

II. KVK-wise Details of Technology for Frontline Demonstration (FLD) during 2020

Discipline	Thematic Area	Technology/Crop/ Cropping system (Details)	Source (Year) of release	Demo (No.)	Area (ha)	Location/ Village
KVK Bishnupur, Manipur						
Agronomy	Integrated Crop Management (ICM)	Improved cultivation practices of soyabean var. DSb-19 (JS 335 X EC 241778) developed by UAS Dharwad, 2014 during *kharif* season. **Technology details:** Seed rate 15 kg/ha, line sowing 45cm X 15 cm, seed treatment with Carbendazim @ 2g/kg, Rhizobium japonicum @ 10g+ 10g sugar per kg of seed. NPKS @ 20:40:20:20kg/ha	AICRP, Soybean, CAU, Imphal, 2014	5	2	Kumbi, Salankonjil, Utlou
Horticulture	Varietal evaluation	Broad bean var. Pusa Udit, **Technology details:** Seed rate:80 kg/ha Spacing:45cm x 15 cm FYM:5000kg/ha NPK:20:50:40 kg/ha	IARI, 2013	5	2	Salankonjil, Kumbi , Saiton, Potsangbam& Khwairakpan
	Production and management	Transplanting time : April – May Spacing: 45cm x 45 cm, double row method, Application of vermicompost @ 5 tons/ha	TNAU-2013	5	1	Kumbi, Saiton,Salankonjil, Litan Pokpi&Wangoo
Home Science	Utilization of waste materials (Bio-degraded/ Bio-non degraded)	Extraction of fibre from okra plants	AAU, Jorhat. 2017	10		
	Uses of women friendly tools (WFT)	Popularization of tools for plucking of okra (ring cutter)	CIAE, BHOPAL 2016	10		
Fisheries	Grow out culture	Demonstration on grow out Monoculture of freshwater climbing perch, *Anabas testudineus (Ukabi – Manipuri)* @ 30,000 fingerlings /ha in 0.10 ha	CIFA ICAR, Bhubaneswar (2012)	10	1.0	Lourembam Naorem Thiyam Langpok Kakyai
	Grow out culture	Performance of Amblypharyngodonmola – *Mukanga (Manipuri)*	ICAR Research Complex for	10	1.0	Utlou Keinou Toubul

		production in carp Poly culture with catla, rohu & mrigala fingerling (@ 9,500/ha) while stocking in addition to the above (@ 25,000 nos. /ha) for 7 months in 0.10 ha. Feeding with rice bran and mustard oil cake (1:1) following the package of practices of composite fish farming.	NEH, Tripura (2013			Kabo-wakching konkham
Plant Protection	Integrated Pest Management	Management of tobacco caterpillar of Cauliflower	NCIPM-2012	3	3	Langpok
	Integrated Pest Management	Management of aphids by using i) neem oil @ 5ml/ltr along with conventional insecticide, nuvan as check. ii) yellow sticky traps	IIVR, Vanarasi	3	5	Khoijuman
Animal Science	Breed introduction	Popularisation of multicolour dual purpose bird - Kamarupa on agro climatic condition of Bishnupur district on backyard poultry system by feeding readymade concentrate feed with locally available feed at the ratio of 1:1.	AAU, Khanapara Campus, Ghy-22, 2016	5	5 units	
	Healthcare	Demonstration on Prevention of piglet anaemia by Injection of 1 ml of Iron solution (Imferon/ Iron Dextran) intra-muscularly to the piglets at 6^{th} day and 15^{th} day after parturition.	ICAR Research Complex for NEH Region; 2008	10	10 units	
Agricultural Extension	Impact Assessment	Crop wise impact assessment under CFLD on the yield of Oilseed crops in Bishnupur district.	College of Agriculture (RVSKVV), Indore M.P, 2018	5	70	Kumbi, Saiton and SalanKonjil
	Seed Production	Demonstration on Participatory Seed Production of Rice through Line Transplanting Spacing:25x10 cm	ICAR, Manipur Centre 2016	10	20	Leimaram, Kumbi, Utlou

KVK Chandel, Manipur						
Agronomy	Crop production	Rice var. RC-Maniphou-13	ICAR – RC Manipur Centre, 2016	20	10	Lambung. Modi, Ch/Christia, Chakpikarong, Old Wangbaral, Chandonpokpi, Purumchumbang, Unapal, Lambung, Hnatham, Lamphoupasna
	Crop production	Soybean var VL-Soya-63	ICAR-VPKAS, Almora (2008)	10	3	Lambung. Modi, Ch/Christia, Chakpikarong, Old Wangbaral, Chandonpokpi, Purumchumbang, Unapal, Lambun, Hnatham, Lamphoupasna
	Crop production	Blackgramvar. Tripura Mashkalai-1	ICAR-RC Tripura Centre (2015)	10	5	Lambung. Modi, Ch/Christia, Chakpikarong, Old Wangbaral, Chandonpokpi, Purumchumbang, Unapal, Lambun, Hnatham, Lamphoupasna
	Crop production	Rapeseed-mustard var. PM-27	IARI, New Delhi, 2011	20	10	LambungModi, Ch/Christian, Chakpikarong, Old Wangbaral, Chandonpokpi, Purumchumbang, Unapal, Lambun, Hnatham, Lamphoupasna

	Crop production	Field pea var. Prakash	ICAR-IIPR, Kanpur, 2006	15	5	Lambung. Modi, Ch/ Christian, Chakpikarong, Old Wangbaral, Chandonpokpi, Purumchumbang, Unapal, Lambun, Hnatham, Lamphoupasna
Home Science	Post harvest processing	Popularization of jack fruit chip making technology	ICAR, Barapani 2016	5	5 nos.	Chandolpokpi
	Post harvest processing	Popularization of osmo dehydration of amla	IIHR, Bengaluru, 2016	5	5 nos.	Lambung, Japhou, MonsangPantha, Ziontlang,,Panchai
	Post harvest processing	Popularization of Soybean toffu making technology	CIAE, Bhopal 2014	5	5 nos.	Modi
Animal Science	Breed introduction	Popularisation of Srinidhi birds	PDR, Hydrabad 2017	5	NA	Modi
	Breed improvement	Popularisation of White Pekin duck	Hessaraghatta, Banglore 2016	5	NA	Modi
Plant Breeding	Seed production	Rice var. RC Maniphou – 6	ICAR-Manipur Centre, 2000	3	2	Banhring, Lunghu
	Seed production	Rice var. RC Maniphou– 13	ICAR-Manipur Centre, 2016	6	5	Lambung, Kumbirei, Purumchumbang, Machi
	Seed production	Lentil var.HUL - 57	BHU,Varanasi – 2005	9	5	Chandonpokpi, Modi, Mantripantha
Agricultural Engineering/SWCE	Drudgery reduction	Treadle pump (Cabbage)	IRRI, 1984	3	1.5	MonsangPantha
		Vegetable transplanter (Chilli)	TNAU, 2016	3	1.5	Japhou
		Multi crop thresher (Paddy)	CIAE, 2017	3	1.5	Lambung
KVK Churachandpur, Manipur						
Horticulture	Varietal evaluation	Performance of Tomato var. Arka Samrat and	IVRC, IIHR, Bengaluru	6	1	Thingkangphai, New Mata,

		ArkaAbhed	(2018)			Bohnluivillage
	Varietal evaluation	Performance of French bean var. Arka Arjun and Arka Sharath	IIHR, Bangalore, 2018	6	1	Rengkai, M.Goshen, Bethlehem
Plant Protection	Integrated Pest Management	Insect pests management of cole crop (cabbage) under organic condition	ICAR-NOFRI, Tadong 2014	3	2	Torbung, Khawmawi, Saihenjang
	Integrated Disease Management	Organic management of late blight in tomato	ICAR-NOFRI, Tadong 2014	3	1	KhoirentakKhunou, Lukhumbi, Thingkhangphai
Animal Science	Breed introduction	Backyard poultry production (Gramapriya)	DPR Hyderabad, (2012)	8 units	NA	Yaiphakol, Kangvai, PearsonmunTorbung village
	Breed improvement	White Pekin duck production	CARI, Bhubaneswar, (2012)	8 units	NA	Pearsonmun, Yaiphakol, Torbung village
Fisheries	Pond management	Post-stocking aquaculture management practices of carps	CIFRI, 2011	3	2	
	Feeding management	Fish production using floating pelleted fish feed	CAU, 2011	3	2	Siden village, Mata village
Home Science	Value addition	Popularization of Jackfruit Chips making process	ICAR, Goa-2016	5	NA	Pearsonmun, Torbung, Kangvai and Saihenjang
	Value addition	Popularization of value added product Guava Cheese	ICAR Umiam, 2014	5	NA	Mission compound, Moulvaiphei, Kangvai
Agro-forestry	Introduction of MPTs in newly Developed farming Systems	Popularization of Soybean (JS335) in abandoned jhum land under Agrisilvi farming system	NRCAF, Jhansi, 2013	3	1	Tuibong, Khotuh, Hengkot
	Introduction of MPTs in newly Developed farming Systems	Popularization of Red gram (TS3R) in abandoned jhum land under Agri-silvi farming system	NRCAF, Jhansi, 2013	3	1	Lukhumbi, Songpi, Pearsonmun
KVK Imphal East, Manipur						
Agronomy	Integrated Farming	Popularization of maize cultivation and intercropping	Indian Institute of	5	5	Huikap, Tiger Camp,

	System/ Integrated Crop Management	with pulses **Technology details:** Maize var. HQPM-1 Seed rate : 20kg/ha Spacing : 60cm x 20 cm Intercrop : 2 rows of black gram (30 cm apart) in between 2 rows of maize Seed rate of black gram- 15 kg/ha Planting Geometry: 2:2	Pulse Research			Nungbrung, Andro
	Integrated Farming System/ Integrated Crop Management	Demonstration on Rice – Toria – Green gram cropping system **Technology details:** Cultivation of rice var. CAU-R3 during June/July Sowing of Toria var. TS-38 just after harvest of rice during October/early November under zero tillage method Sowing of Green gram during Feb/early march	Indian Institute of Pulse Research	2	4	Nungbrung, Nongren, Poiroupat
	Varietal evaluation	Popularization of Wheat Cultivation **Technology details:** Variety: DBW- 108 Duration-110 days Potential yield- 30 qt/ha Seed rate:80kg/ha Fertilizer: 80:40:25 kg NPK/ha	DWR, Karnal, 2014	10	5	Andro, Poiroupat Yambem
Horticulture	Varietal evaluation	Popularization of Tomato variety ArkaRakshak **Technology details:** T1: ArkaRakshak T2: Arka Samrat Seed rate: 300-400g/ha Spacing: 60 x 45 cm FYM: 500 kg/ha NPK:120:60:60 kg/ha Period: Aug- Dec	IIHR Bengaluru 2010	3	1	Phaknung Keirao Yairipok
	Varietal evaluation	Popularization of Broccoli Var. Green Magic **Technology details:** Seed rate: 300-400g/ha Spacing: 45 cm x 45 cm FYM: 500 kg/ha	ICAR Manipur Centre, 2011	3	1	Uchekon Lamboikhun YumnamKhunou

		NPK:50:25:25 kg/ha Period: Oct- January				
Plant Protection	Integrated Pest Management	Integrated Pest Management in Rice **Technology details:** • Remove seedling tips before transplanting to destroy the egg masses of yellow stem borer • Avoid excessive use of nitrogenous fertilizers • Use pheromone trap (Scripo Lure @ 4acre) for monitoring yellow stem borer Need based spray of Imidacloprid @ 1ml/3 liters of water against plant hoppers	IARI 2013	6	2.5	Andro, Tiger Camp, Huikap, Nungbrung
	Integrated Pest Management	Use of pheromone trap for management of fruit fly in cucurbits **Technology details:** • Installation of cue lure for monitoring and mass trapping to reduce the male population. • Use of yellow sticky traps for management of aphids	IARI 2013	10	10 numbers	Huikap, Unambol, Andro, Tiger Camp
	Mushroom Production	Year round production of Oyster Mushroom cultivation **Technology details:** • Chopped the paddy straw (2-3 inch length) • Soak the chopped straw for 4-5 hrs • Allow it to drain excess water till it reach 60% moisture level. • Spawning with layer method (3-4 layers each 10-15cm straw) in polybags with 1cm diameter hole with10cm apart between each holes.	CHF, CAU, Pasighat, Arunachal Pradesh, 2010-11	10	10 units	Uchol Andro Unambol Angtha KeiraoBitra Langdum Haraorou

		• Allow the spawn to run in dark for 7-10 days. • After mycelium have fully impregnated, spray water 2-3 times during day time. • Pin head developed will fully matured in 2-3 days				
Fisheries	Fish breeding	Culture of improved common carp (Variety -Amur Carp) **Technology details:** Stocking density: 8000/ha Stocking time: June-Nov Feeding method: Broadcasting Feed: pellet feed Feeding rate : 3-5 % BW	CIFA, Bhubaneswar, 2015	3	0.75	Imphal East
	Fish breeding	Monoculture of Monosex tilapia **Technology details:** Stocking density: 30000/ha Stocking time: May-Oct Feeding rate: 3-5% BW Feed: Pellet feed	CIFA, Bhubaneswar, 2015	5	5 units	Imphal East
Home Science	Storage techniques (grains/ fruits/ fishes/ meat etc)	Performance of hermetic storage system (grain pro's super bags) on quality of grains/seeds **Technology details:** • EVOH (ethylene-venyl alcohol) incorporated as a barrier structure with a 7 to 9 layers structures packing and storing material • Reusable plastic sealing tapes at 2 (two) levels for each bag making it airtight	Pest Control of India, 2015	10	10 units	Yumnam, Khunou, Nungbrung, Andro
	Uses of women friendly tools (WFT)	Performance of portable vegetable preservation for increasing shelf life of vegetables **Technology details:** • Fiber reinforce plastic comprising of two	Central Research Institute of Dry Land Agriculture (CRIDA) Hyderabad,	10	10 units	Andro, Yairipok, Top Nungbrung, Tiger Camp, Uyumpok

		compartment with circular holes in the periphery • Kept offset by inch to accommodate pine grass mat dripped with water • The circular tank thus kept the basket temperature 8-10 °C less than the room temperature with 80-85% humidity	2013			
	Uses of women friendly tools (WFT)	Popularization of Solar Cabinet Dryer **Technology details:** The dryer with four main component that is flat plate collector, drying trays, exhaust fan and solar PV module Specification:Dimension**:** 1500mm x 1000mm x 800 mm, 2 trays of 1400mm x 900mm at bottom and 900mm x 400mm at the centre, double wall black painted GI sheet filled with thermocol in between the wall attached with force convection with a capacity of 10-15 kg/batch with a drying time of 1-2 days	College of Agriculture CAU, Imphal 2014	5	5 units	Andro, Nongdum, Chingkheikulen, Top Dashera, Angtha
	Value Addition	Popularization of Jackfruit chips making technology for sustained income **Technology details:** • Cutting of fully matured, unripe jackfruit descended bulbs into longitudinal finger like pieces • Blanched in hot water with 1% KMS for 5 minutes • Dried in dryer @ 40-50º for 10-15 minutes • Deep fry into oil till	ICAR Umiam (Process Protocol for Preparation of Jackfruit Chips), 2012	10	10 units	Andro, Top Dushera, Nongada, Uchol

		golden brown colour • Cool and sprinkled with required salt and chilli powder • Packing in a tight material				
	Value Addition	Preparation of Guava Cheese as a value added product **Technology details:** • 1 kg firm, ripe guava pulp cook to a thick paste • Addition of 1.25 – 1.5 kg sugar • Addition of citric acid and butter @ 56 gm • Hot cheese spread on tray to set over night and cut into desired size	Horticulture Division ICAR Research Complex for NEH Region Umiam, 2014	5	5 units	Andro, Nongdum, Chingkheikulen, Top Dashera, Angtha
Agricultural Engineering	Drudgery reduction (maize sheller, winnower etc.)	Performance of manually operated vegetable transplanter for cultivation of tomato **Technology details:** Var. ArkaRakshak Spacing: 60cm x 45 cm Depth: 3cm	CIAE, Bhopal, 2017	3	3	Andro Top Chingtha Nungbrung
Animal Science	Breed introduction	Introduction of improved backyard poultry breed Srinidhi **Technology details:** • Feeding: • Starter: 0-56 days Grower: 57-150 days • layer mesh 151 onwards • Feed supplement: Probiotics, Calcium, Vitamins and Mineral mixture, • Body wt: 3 kg (M), 2-2.5 kg (F) at maturity • Egg laying capacity: 160-170 /year	CDPO, Bangalore 2017	25	20 chicks / farmer for 25 farmers	Andro Keirao Chinungkhok
	Breed improvement	Popularisation of broiler duck (White Pekin) for higher productivity **Technology details:** • Shed Area: 3 sq ft /duck	CPDO Bangalore	20	20 ducklings / farmer for 20	Nongdam Andro Chingungkok

		• Feeding: • 0-46 days starter feed • 47-80 days Grower feed • 81 days onward Layer mash • Feed supplement: Calcium and Mineral mixture • Mode of feeding: Duckling as adlibilum and mature duck – 120 gm/day • Sex ratio: 5:1 (Female: Male) • Timely vaccination: Duck Plaque			farmers	
	Breed improvement	Performance of Improved breed Black Bengal Goat **Technology details:** • Adaptability • Kidding potency • Disease resistance • BCR	NRC Goat, Guwahati 2015	05	2 weaning goats per farmer for 5 farmers	Andro Keirao
	Breed improvement	Performance of Improved breed Rani Pig **Technology details:** • Age of first farrowing • Litter size • Milk production • BCR	NRC Rani Pig, Guwahati 2016	05	2 piglets per farmer for 5 farmers	Andro Pukhao
KVK Imphal West, Manipur						
Agronomy	Integrated Farming System/ Integrated Crop Management	Popularization of ICM in rice var. RC Maniphou-13 **Technology details:** Seed rate :25kg/ha, Seedling age : 17 days Spacing : 20 cm x 20 cm Fertilizer : 60:40:30 NPK Kg/ha No. of seedling/hill : 2 Weed management : Cono + HW twice at 10 days interval	Division of Agronomy, ICAR RC NEHR, Umiam, 2010	8	7.125	Khurkhul. Laiphrakpam, Laikinthabi, Mapao, Lamshang, Maklang
	Composting	Popularization of low cost vermin composting)Waste material and cow dung) Earthworm species *Eisenia foetida*) Unit size: 6 x 3 x 1.5 ft	AAU, 2015	5	5 units	

Plant breeding	Seed Production	Popularization of Rice variety RC Maniphou-12	ICAR Manipur Centre 2015	8	5	Wangoi, MayangImphal, Ngairangbam
	Seed Production	Popularization of Rice variety RC Maniphou-13	ICAR Manipur Centre 2018	22	15	Ngairangbam, Laiphrakpam, Khurkhul, Kachikhul, Lamdeng, Sangaithel, Wangoi, Patsoi
SWCE	Integrated Water Management	Popularization of low cost drip irrigation through gravity in horticulture crop (Water melon)	TNAU, 2010	2	0.05	Ngairangbam, Taothong
	Integrated Water Management	Popularization of for lift irrigation	IDE, 2010	2	0.125	NgairangbamLoitangKhunou
	Tillage Management/ Farm Machinery	Popularization of power operated paddy thresher for drudgery reduction	ICAR Umiam, 2010	2	0.25	IromMeijrao, Ngairangbam
Animal Science	Varietal evaluation	Promotion of poultry breed Srinidhi	PDP Hyderabad 2013	10	10	Mongsangei, Haorang Sabal, MaklangKeibung
	Feed management	Popularization of cross bred Hampshire pig	ICAR, Umiam, 2015	3	3	Khongampa, Sangaiprou, Loitangkhunou Village
Horticulture	Integrated crop management	Ecological engineering based integrated viral disease management module for king chili	ICAR Manipur Centre, Imphal 2015	3	1	Sagoltongba, Keibungoinamleikai
	Integrated crop management	Evaluation of Pheromone traps for Management of fruit fly in cucurbits	Pest control India, 2008	4	3	Maklang, Atongkhuman, Haorangsabal
Agricultural Extension	Doubling farmer's income	Case study of Doubling Farmers Income in Wangoi Village of Imphal west	Design and Method- Robert K Yin **(2013)**	5	NA	Wangoi
KVK Senapati, Manipur						
Horticulture	Varietal evaluation	Popularization of French bean var. Arka Anoop **Technology details:** Var. Arka Anoop Yield potential of 20 t/ha. Duration of 70-75 days	IIHR, Bangalore, 2012	6	1	T. Khullen, Ningthoupham

		Combined resistance to rust and bacterial blight				
	Varietal evaluation	Popularisation of kharif pumpkin var. Arjuna **Technology details:** Var. -Arjuna Seed rate 2kg/ha (2-4 seeds/hill), seed depth- 2.5 cm, FYM @ 5t/ha, NPK- 60:30:30kg/ha	AAU, Jorhat, 2015	6	1	Wainem, Karong, Molhoi
	Off season vegetable production	Year round cultivation of king chilli in micro- climate (poly house) **Technology details:** Spacing 50cm x 50 cm, FYM @ 5kg/2sq.m., NPK @ 3gm:2gm:2gm per plant at the time of transplanting	CAU, Imphal, 2015	4	4 units	TaphouPhyamai, T. Khullen
Plant Breeding & Genetics	Varietal evaluation	Popularization of paddy var. RC Maniphou 12 **Technology Details:** Var. RC Maniphou 12, Seed rate- 60kg/ha, NPK @ 60:40:30 kg/ha Duration : 90-105 day Potential yield: 4.5-5t/ha	ICAR-Manipur Center, 2015	12	3	Makhan&Ningthoupham
	Varietal evaluation	Popularization of maize var. HQPM 5 **Technology Details:** Var. HQPM-5, Duration-88-90 days, potential yield-6t/ha, Seed rate 20 kg/ha, Seed treatment with Azotobacter @ 250 g/10kg seed, Spacing 60x 30 cm, NPK @ 100:60:40 kg/ha	IIMR, Punjab, 2011	12	3	Mayangkhang, Makuilongdi
	Seed production	Popularization of seed production technology Paddy var. RC Maniphou 13 **Technology Details:** Var. RC Maniphou 13, Duration = 125-135 days, Potential yield=6.5-7.0t/ha **Seed rate @**60 kg/ha, **NPK** @ 60:40:30 kg/ha, Isolation distance- 3m, Rouguing as per requirement	ICAR-Manipur Center, 2015	12	3	Yaikhongpao, Karong

Plant Protection	Integrated Pest Mgmt	IPM for yellow stem borer in rice **Technology Details:** • Use of resistant var. CAU-S1 • Early planting on June • iii. Balance and split application of Nitrogen fertilizer NPK@60:40:30kh/ha 30 kg N as basal 15 kg N at tillering and 15 kg at panicle initiation stage • iv.Use of pheromon trap @8 traps/ ha. • iv. Release of trichogrammachilonis @70000 egg/ ha. Twice from 30 DAT	COA, CAU, Imphal, 2013	8	2	Ningthouham, Mayangkhang, Hengbung
	Integrated Disease Mgmt	IDM for dry foot rot in pea **Technology Details:** • Seed treatment with T. viride @ 5g/kg seed • Foliar application of carbendazim @ 0.05% twice at 10 days intervals on appearance of disease	AAU, Jorhat, 2008	5	1	Chongphun 7 makuilongdi
	Mushroom production	Year round mushroom cultivation for generating income from agro waste materials **Technology Details:** Oyster mushroom • P. Sajorcaju • P. ellum • P. flavelatus	IARI, New Delhi, 2010	5	5 units	Mayangkhangpungtang, Rikhumai, T. Khullen
Animal Science	Poultry production	Backyard poultry rearing for empowering farm women **Technology Details:** Vanaraja breed (Improved dual purpose)	DPR, Hyderabad, 2015	10	10 units (250 birds)	Kangpokpi, katomei
	Poultry production	Popularisation of White Pekin duck in the hills **Technology Details:** Breed: White Pekin	ICAR, Nagaland, 2012	10	5 units (125 birds)	G. Kholep, purulakutpa
	Breed introduction	Rearing of Khaki Campbell for household food nutrition	ICAR, Manipur	10	5units (125	Pudunamei, Molhoi

		Technology Details: Breed: Khaki Campbell	centre, 2014		birds)	
Fisheries	Pond management	Popularization of *Jayanti Rohu* in composite fish culture system **Technology Details:** Stocking density: Jayanti Rohu @ 4500 nos. /ha + 6000 nos. carp/ ha. Culture period: 7 months Feeding: @3 % body wt.	CIFA, 2014	10	1	Molhoi,P. Moulding, Karong
	IFS Modules	Demonstration on Duck cum Fish culture **Technology Details:** Fish species : IMC Stoking density: 10000 nos./ ha. Duck var,- khaki campbell /white pekin @300/ha	ICAR, Barapani, 2010	10	1	G. Kholep, Mayangkhang, T. Khullen
	IFS Modules	Demonstration on Paddy cum fish culture **Details of Technology** Fish species: Common carp Stoking density: 5000 nos./ha of 7 cm in length Perimeter canal: Water depth : 0.75 m Width :1 m Paddy var. local	ICAR, Barapani, 2013	10	1	T.Khullen, Saddim, Karong
Home Science	Nutritional Gardening	Promotion of Nutritional garden for household nutritional security **Technology Details:** Var. :cabbage, amaranthus, Spinach, Coriander, chilly, onion, beans, broccoli & fruits	ICAR, Barapani, 2012	10	10 units	Saikul, Hengbung
	Energy saving tools/ devices	Popularization of Charcoal Briquette Details of Technology Making of fuel cake with briquette, waste Charcoal & mud @ 2:1	ICAR, Imphal, 2008	10	10 units	Motbung, Saparmeina
Agro forestry	Introduction of MPTs in existing Systems	Intercropping of MPTs with pulse crop Details of Technology Plantation of MPTS (tree bean = 8m x 8m), citrus	ICAR centre, Manipur	4	1	New Selsi

		species as filler crop and intercropping with pulse crop				
Agricultural extension	Impact Assessment	Impact assessment of intercropping of maize & groundnut under rain-fed condition	-	40	40 respon dents	Santolabari, Kalapahar
	Impact Assessment	Impact assessment on the FLDs on two merger technologies conducted by KVK-Senapati during last three years	-	40	40 respon dents	Mayangkhang, Makuilongdi, Saikul, Karong
Farm Management	Enriched vermicomposti ng	Cultivation technology of gerbera under poly-house **Technology Details:** Var. ArkaAshwa (IIHR-3-34) Spacing- 37x30, FYM @ 8-9 kg/sq.m, NPK @ 12:15:20 gm/sq.m during first three months & 15:10:30 gm/sq.m from 4th months when flowering starts in 2 split doses @ 2 weeks interval	IIHR, Bangalore, 2014	3	3units	Mayangkhang, Purul
KVK Tamenglong, Manipur						
Agronomy	Crop production/Int egrated Nutrient Management	Promotion of improved cultivation method of Soybean in Jhumland Soybean (JS-95-60)	ICAR Manipur Centre, 2015	10	4	Khundon
	Crop /Tillage Management/ Farm Machinery	Popularisation of Paddy-Rapeseed cropping system Paddy (RC Maniphou -10)-Rapeseed (Pusa mustard-27)	IARI, New Delhi, 2017		10	Noney
Horticulture	Mushroom Production	Promotion of Oyster Mushroom Production Round the Year	ICAR-DMR, Solan	2	3 units	Khoupum, Nungba and Laphok
	Protected Cultivation	Popularization of Protected Cultivation of Capsicum Variety ArkaAtulya	IIHR Bengaluru	2	0.20	Noney, Marangching and Khoupum
PlantBreedin g	Varietal evaluation	Rice var. RC Maniphou-12	ICAR Manipur Centre (2012)	9	5	Noney , Tupul, Rangkhung&K houpum area
		Mustard variety Pusa Mustard 27	IARI, New Delhi (2011)	4	5	Noney , Tupul, Rangkhung&K houpum area

Soil Science	Soil management	Integrated nutrient management in ginger **Technology Details:** Application @of 10 tons of FYM + 250 kg Neem cakes+ 5 tons compost + 500 kg/ha lime	ICAR-RC Umiam 2017	4	0.5	Rangkhung and Noney
		Promotion of INM in Tamenglong Orange orchards **Technology Details:** • FYM: 20-25 kg/ha/year • NPK: 450:500: 900 g/tree/year For mature orange trees • CAN: 400 g/tree/year • Spraying of solution mixture of *Arka citrus* special(Zn-6.1 %, B – 5%, Mn – 0.5 %, Fe- 1%, Cu- 0.1%) 75 g+ 5 ml adjuvant + 10 ml of lemon juice dissolve in 15 liters of water • Spay one month before flowering and continue sprays at regular monthly intervals up to 2 months prior to harvesting of fruits.	ICAR-IIHR, Hesarghata, Bangalore, 2018		0.5	Thangal and Noney-II
Plant Protection (Entomology/ Plant Pathology/ Nematology)	Integrated Disease Mgmt	Management of Powdery mildew in Pea (Early sowing + foliar spraying of karathane 0.1% @ 2ml/l of water 2-3 times at 10-15days interval)	CAU, Imphal, 2013	4	0.5	Tupul, Noney
	Biological control (Insect/pest/ weeds etc)	Management of aphids and Diamond-Back Moth in cabbage(Foliar sp+raying of *Bacillus thuringiensis*Bt. Formulation like Delfin, Biolep, Bisop) @500g/ha and foliar spraying of Neem products like Multineem @ 3g/l 2-3 times at 10-15 days interval	CAU, Imphal, 2013		0.8	Tupul, Marangching, Noney
Animal Science	Feeding management	Feeding (25 :75) Housing (Wooden plank) Health care (Deworming /Vaccination	AAU, 2016	6	15	Peaceland, Khundon, Rangkhung
	Breed	Free grazing	AAU, 2017		15	Marangching,

	improvement	Supplementation of mineral mixture Housing – platform made of bamboo splits Health coverage - Deworming				Noney, Haochong
KVK, Thoubal, Manipur						
Agronomy	Integrated Weed Management	Weed Management in maize **Technology Details:** Variety: RCM-176 Weedicide: Tembotrione 34.4 %w/w @ 120g ai/ha at 3-4 leaf stage at 25 DAS Spacing: 60x20cm Fertilizer dose: 80:40:30kg NPK/ha	TNAU, 2014	5	0.75	Thawai, Ingourok, Kakchingkhunou, Heirok, Charangpat
	Integrated Farming System/ Integrated Crop Management	Weed Management in maize **Technology Details:** Variety: RCM-176 Weedicide: Tembotrione 34.4 %w/w @ 120g ai/ha at 3-4 leaf stage at 25 DAS Spacing: 60x20cm Fertilizer dose: 80:40:30kg NPK/ha	TNAU, 2014	5	0.75	Thawai, Ingourok, Kakchingkhunou, Heirok, Charangpat
Plant breeding & Genetics	Seed production	Seed production technology of rice var. RC Maniphou-13 and CAUR-1 (Tamphaphou) **Technology Details:** Seed rate: 20kg/ha Seedling age: 20 days Seedling per hills: Single Spacing: 20 x 15 cm Fertilizer: NPK 60:40:40	RC Maniphou-13 (ICAR, Manipur centre 2016) & CAU R1 (CAU, 2018)	10	2.5	Wangjing, Laiphrakpam, Thoubalwangmataba
Plant Protection	Integrated Pest Management	Popularization of voliam flexi in management of stem borer & plant hoppers of rice with Voliam flexi (Chlorantraniliprole 8.8% W/W + Thiamethoxam 17.5% W/W @ 400ml/ha)	TNAU, 2015	10	2	Khangabok, Wangbal, Tentha, Heirok, Langathel, Kiyamsiphai, Khongjom
	Integrated Pest Management	Popularization of Emamectin benzoate in Pod and aphid management of cowpea with Emamectin benzoate 5 SG (0.002%) and yellow sticky traps	Mahatama Phule Krishi VidyapeetRahuri, 2015	8	2	Kakching, LaiphamLotnung, Wangbal, Wabagai, Sabaltongba, Tentha, Wangkhem

Fisheries	Pond management	Popularization of Amur carp in composite fish culture system Composite carp culture using Amur carp excluding local common carp **Technology Details:** Stocking density 10000 fingerlings/ha Species ratio- Catla: Rohu: Amur carp @ 3:3:4 Feeding with Rice Bran : Mustard Oil Cake @ 1:1 7-months culture period	ICAR RC NEHR, 2013	7	0.7	Tentha, wabagai, Lilong, Leiphrakpam, Wangjing, Khangabok
	Integrated Farming System module	Popularization of Fish based integrated farming system **Technology Details:** Fish (Catla, Rohu, Mrigal, silver carp, grass carp and common) stocking @ 8000 nos./ha + Duck– Khaki Campbell stocked @ 25 nos./0.1 ha +Vegetable crops (French beans, Chilli, Tomato, Brinjal, Cucumber, cabbage cauliflower)	ICAR RC for NEH Region, Umiam, Meghalaya, 2013	7	0.7	Kakching, Thoubal, Wangbal, Lourembam, Nepra
Home Science	Nutritional diet for children/ Pregnant women	Assam mix For preparation of 1 kg- -Rice-700g -Green gram-200gm -Groundnut-50g -Sesame seed-50g (Rice: 70% Green gram: 20% Ground nut: 5% Sesame seed: 5%) -Soak rice for 30 min. & drain the excess water -dry roast the rice & grind into powder -dry roast all the ingredients separately & mix -keep & store in air tight container	AAU Jorhat, 2017	10	-	Lourembam, Athokpam, Tentha, Kakchingkhunou, Sapam
	Value addition	Value added products Roselle (Jam and Powder) Blanching for 2 minute and drying (Powder) Roselle Calyces: 350g (Jam)Sugar	College of Agricultural Engineering, Akola-2015	10	-	Kakching, Khangabok, Wangbal, Wangjing, Leishangthem,

		brix: 65˚ For powder- Blanched the rosella calyxes & drying for 4 days -Grind into fine powder -Store in an airtight container. For jam- -Take 350g rosella -Wash the red fleshy calyx -Blanched in 200ml of water & make into fine paste -Mix the paste & sugar 650g in a bowl & put in the flame -Stir occasionally in low flame ,cook until jam is set -Pour in a sterilized glass jar and store				Thoubalsapam, Papal
Agriculture Extension	Impact Assessment	Impact study on CFLD of oilseed Mustard Var. NRCHB-101 Under Zero **Technology Details:** Tillage Condition during rabi season - Data collection through interview schedule using 5 point Likert scale base on varietal suitability, method of cultivation, consumer preference, area expansion and productivity in the district	NA	120 farmers	-	Thoubal&Kakching
	Extend of Utilization of SHG	Utilization of Soil Health Card for field crop cultivation under rice base cropping system (Cereals, pulses and oilseed) **Technology Details:** Data collection through interview schedule using 5 point Likert scale base on number of farmer used of SHC in cereals, pulses and oilseed during kharif and rabi season. Impact of soil test base fertilizer recommendation in production and productivity Comparison with no soil test	NA	120 farmers	-	Thoubal&Kakching

		base fertilizer recommendation				
KVK Ukhrul, Manipur						
Agronomy	Varietal evaluation	Varietal performance of rice (variety RC Maniphou 12) **Technology details:** Spacing 20X10 , seed rate @40 kg/ha,	ICAR 2014	10	5	Lungshang , halang, Ukhrul
	Varietal evaluation	Yield performance of ground nut (variety ICGS 76) at high hill condition **Technology details:** late Kharif, jhum Spacing 45 X10 cm Seed rate@ 100 kg/ha Lime 500 kg/haKharif, jhum Spacing 45 X10 cm Seed rate@ 100 kg/ha Lime 500 kg/ha)	NRC-G,2006	6	5	Nunsahng, Ramrei
	Varietal evaluation	Yield performance of high quality protein maize Variety : HQPM-5		10	5	Lungshang , halang, Ukhrul
Horticulture	Others (Pl. specify)	Rejuvenation of kachai lemon	ICAR Manipur & 2010	10	20	Kachai
		Production technology of shitake mushroom	DMR Solan& 2010	20 unit	20	Ukhrul
		Early Production of garden pea Variety : Kashi Nandi	2010	10	10	
Soil Science	Soil management	Introduction of Integrated nutrient management in rice for yield improvement NPK @60:40:30 kg/ha azospirillium @2 kg/ha (seed treatment)	ICAR Manipur	8	2	
	Soil amendment (Lime/ Others)	Popularization of nutrient management of Soyabean for yield improvement	ICAR – Manipur	8	2	
	Any other (Pl. specify)	Low cost rain water harvesting structure (jalkund) for early production of garden pea	ICAR-Umiam	10	3	
Plant Protection (Entomology/ Plant	Integrated Pest Mgmt	Management of fruit fly and leaf minor in kachai lemon.	ICAR Manipur	10	2.5	
	Integrated Disease Mgmt	Management of rust and powdery mildew for yield		10	1.0	

Pathology/ Nematology)		improvement of green yield				
	Beneficial insects	Scientific method of beekeeping for subsidiary income		10	40	
Fishery	Pond management	Fish fingerling production from spawn (nursery rearing) **Technology Details:** • Species : Grass carp • Stocking density : 15 lakh/ha • Feeding at 5-10% body weight, two times daily	COF 2012	3	1	Ukhrul
	Fish breeding	Popularization of Feeding management in composite fish culture. **Technology Details:** - feeding @ 3-4% body weight - 7 months culture period - advance fingerling to be used (50- 100 gm) - monthly liming @ 400Kg/ha/year - feeding with pellet feed (artificial feed				Ukhrul
Animal Science	Breed introduction	Popularization of Srinidhi breed in backyard poultry	PDP 2107	10	10	
		Backyard pig rearing of breed (Hampshire cross) for higher meet productivity	2010	3	3	
KVK East Garo Hills, Meghalaya						
Agronomy	Varietal evaluation	Demonstration of high yielding rapeseed or toria (Cv. TS-67) **Technology Details:** Seed rate : Toria-4-6 kg/ha Sowing time: Oct-Nov, 2020 Seed treatment: Azotobacter& PSB @ 40 g/kg of seed Fertilizer doses: 60-60-40 kg/ha	RARS, Shillongani, Nagaon, AAU, (2016)	5	2	Ganingbibra & Bolkingngre
		Popularization of mustard variety NRCHB-101 with organic practices **Technology Details:**	DRMR, Bharatpur, (2009)	5	2	Chekwebibra

		Sowing time : October Seed rate : 5-6 kg/ha Seed treatment: Azotobacter& PSB @ 40 g/kg of seed Fertilizer doses: 60-60-40 kg/ha Spacing: 45 cm x 10-15 cm (RxP) Methods of sowing: line sowing				
Horticulture	Orchard Rejuvenation	Management and rejuvenation of citrus orchard; **Technology Details:** Training and pruning of dried twigs, infected branches etc. Application of Kerosene/petrol for trunk borer infestation. Application of Bordeaux paste on the tree trunk twice a year before and after monsoon	College of Horticulture & Forestry, Pasighat, CAU. (2011-2012)	03	2	Daribok, KheraMikgilsimgre
	Protected cultivation	Low cost Poly House for round the year organic vegetable production; **Technology Details:** Tunnel size of 1.0 m high and 1.5 m wide at the base ,erected with bamboo sticks of about 1 inch diameter. A UV stabilized transparent plastic sheet of 0.5µ is placed on the bamboo structure	ICAR-National Organic Farming Research Institute, Tadong, Gangtok, Sikkim, (2016)	03	1	Nengmandalgre, Dobetkolgre& Chachatgre
Plant Protection	Integrated Disease Management.	Management of Rhizome rot disease in Ginger Technology Details: Rhizome treatment with Copper oxychloride (COC) @ 3g/Lit 45 minutes	AAU, (2015)	03	1	Pakregre&Chisobibra
	Resource Utilization	Popularization of Oyster Mushroom cultivation Technology Details: Collection of high quality paddy straw (golden yellow color)	ICAR-National Organic Farming Research Institute ,	03	3 Units	Rangmalbadim , Upper Rongjeng

		Substrate preparation either by soaking overnight or hot water treatment for 30 mins. Layering of spawn in polythere @ 25gm/bags Layered polythene keeping either in rakes or hanging method	Sikkim (2013)			
Livestock Production	Feeding management	Popularization of creep feeding in Piglets for early weaning; **Technology Details**: Maize- 50 % MOC – 25 % Fish Meal – 5 % Sugar – 7 % Skimmed milk powder – 8 % Minerals and Vitamins – 5 %	CAU, Aizwal, (2012)	5	10 Unit	BolmoramAgalgre
	Feeding management	Effect of regular deworming and supplementing Vitamins and Minerals on growth performance of Pig; **Technology Details:** Regular deworming with Fenbendazole @ 7.5-10 mg/Kg Vitamin & mineral supplementation: Minamil powder@ 10g/head/day for 20 consecutive days at 2 months interval till they attain a market age (8 months) &Panacur tablet (Fenbendazole) @ 7.5mg/Kg b.wt. at 3 months interval	ICAR RCNEHR Barapani, (2008)	5	10 Unit	Chachatgre&Ganingbibra
Fisheries	Growth performance in composite fish culture	Popularization of Jayanti Rohu in composite fish culture system; Technology Details: Stocking Density: 8000 fingerlings/ha. Jayanti Rohu performance in composite culture (Catla 20%, Silver carp 20%, Jayanti Rohu 25%, Grass carp 5%, Common carp 15%, Mrigal 15%). Supplementary feeding (Rice bran & MOC (1:1). Culture Duration: 10	ICAR CIFA, 2014	3	0.5	Nengmandalgre, Prapgre

		months				
	IFS	Rice cum fish farming under East Garo Hills condition; **Technology Details:** Under East Garo hill condition, common carp in rice field (plot size: 61x12 m=732 sq. mt). Paddy plot size (Size: 1m width and 0.75 m Depth) and a centre pond (size: 5 m diameter and 0.75m depth) for rearing only common carp without supplementary feeding. Stocking density of 5000nos/ha. Culture Duration: 7 months	ICAR, RCNER, 2013	3	1	Dawagre
Agricultural Engineering	Energy saving tools/ devices	Popularization ofMaize Sheller; **Technology Details:** Maize Sheller	ICAR Research Complex for NEH Region, (2010)	8	-	Ganingbibra
	Water management (Rain water harvesting structure: Jalkund)	Popularization of low cost rain water harvesting structure (Jalkund); **Technology Details:** Construction Size: (5mx4mx1.5m) Liningmaterial: LDPE agri-film with 250 µ thickness Plastering: Slurry of clay and cow dung mixed in 5:1 ratio Cushioning of 3-5 cm with pine leaf @ 2-3 Kg/Sq.m	ICAR Research Complex for NEH Region, (2010)	3	3 units	Megagre&Megapgre
KVK East Khasi Hills, Meghalaya						
Agronomy	Others (Pl. specify)	Popularization of Paddy variety Shahsarang	ICAR,NEH, Umiam (2002)		2	Umlyngkut
		Popularization of production technology of vermicompost.	College of Horticulture & Forestry, CAU, Pasighat (2013-2014)		8 units	Mawjrong, 12th Mile
Horticulture	Integrated Nutrient Management	Popularization of organic nutrient management in Khasi mandarin	ICAR Sikkim (2008)	8	2	(Nohwet, Nongjrong,Ksehpyndeng, Mawryngkneng

						)
	Plant propagation techniques	Single bud transplanting technique of ginger to reduce seed cost	IISR Kerala, 2014	8	4	Mawsiatkhnam ,Tynring,, Nongjrong)
Plant Protection	Biological control	Promotion of organic management of insect pests and diseases in citrus trees	ICAR, Sikkim (2008)	4	4	Nohwet, Nongjrong,Kseh pyndeng, Mawryngkneng
		Promotion on use of bioagents for reducing the incidence of soft rot of ginger	State Biological control laboratory, Shillong (2014)	4	2	Nongjrong, Tynring, Mawsiatkhnam
Fisheries	Species diversification	Popularization of improved fish varieties (Jayanti, Rohu, and amur carp)	CIFA/NFDB 2016	2	0.2	Nohron
	Integrated Farming System/	Popularization of paddy fish integrated farming system (common carp)	ICAR, Umiam 2013	7	0.5	Jaroit
	Integrated Farming System/	Popularization of fish cum pig integrated farming system for livelihood improvement of small and marginal farmers (common carp)	College of Fisheries, CAU Imphal 2013	6	1	Jaroit, Pashang, Nohron, Wahlyngkhat, Mawpran
Agril. Extension	Innovativeness / rate of adoption	Popularization of Agro Tourism as a potential source of income for farmers in the popular tourist circuit of the district for 3 years (1st year)	-	2	-	Mawlynnong area
	Impact Assessment	Impact of SHG on socio economic development of rural women (2nd Year)	-	55	-	Tynring, Mawkriah,Laitjem, Mawsynram
KVK South Garo Hills, Meghalaya						
Agrnonomy	Integrated Nutrient Management	Rapeseed/Mustard(Organic package of practices of mustard) **Technology Details:** • Var. TS - 36 • Seed Rate: 5-6 kg/ha • 2tonnes FYM during last field preparation along with 150 kg rock phosphate Parameters to be	NPOF, Division of NRM, ICAR Research Complex for NEH Region, Umiam, Meghalaya, (2013)	5	2	(Dobogre & Bibragre

		Demonstrated: 1. Avg. Plant Height 2. Avg. Yield 3. Net Return 4. BC ratio				
	Tillage Management/ Farm Machinery	Pea (Zero Tillage pea in Rice Fallow for diversification and resource conservation in hills) **Technology Details:** • 20 cm standing stubbles. • Pea sown in unploughed fields after rice. • Seed rate: 70 kg seed/ha • Spacing: 8-10 cm for pea in opened furrow. Parameters to be Demonstrated: 1.Avg. Plant Height 2. Avg. no. of pods per plant 3. Average yield 3. Net Return 4. B:C ratio	Division of Crop Production (Agronomy), ICAR Research Complex for NEH Region, Umiam, Meghalaya, (2011)	5	2	(Dobogre & Bibragre
Horticulture	Seed/ Rhizome production	Turmeric (Popularization of Megha Turmeric-1 in South Garo Hills District) **Technology Details:** • Megha Turmeric-1 • Local cultivar Parameters to be Demonstrated: Days to Maturity Average yield of rhizome per clump (kg/plant) Average yield per ha (t/ha)	ICAR Research Complex for NEH Region, Umiam, 2006	5	2	Kenegre, Rongrakgreand DagalNokatgre
	Orchard Rejuvenation	Citrus rejuvenation **Technology Details:** Pruning and application of Bordeaux paste Nutritional management Training and grafting Parameters to be Demonstrated: Fruit weight Fruit size No. of fruts per plant fruits/plant Av. Yield (t/ha)	CHF, Pasighat& KVK, East Siang, CAU, (2011-12)	6	4	SilkiBetagre

		NR B:C ratio				
Plant Protection	Biological control (Insect/pest/ weeds etc)	Bio-control of stem borer and leaf folder in paddy **Technology Details:** Release of *Trichogramma japonicum* @ 1,00,000/ha at 30 DAT Application of neem oil @3ml/lit at pest occurrence. Parameters to be Demonstrated: Dead heart, white ear head, leaf folder damage before and after treatment; Population of sucking pest before and after treatment; Yield NR; BC ratio	ICAR-NBAIR, Bengaluru, (2011)	5	2	Rongrakgre, Warima&Kenegre
	Others (Pl. specify) Mushroom cultivation	Popularization of Oyster mushroom cultivation throughout the year as a source of income generation **Technology Details:** *Pleurotus* sp. Substrate preparation by hot water treatment. Spawning of straw layer with 25 gm of spawn. Size- 20 x 15 ft. Parameters to be Demonstrated: Days taken for spawn run. Days taken for pinhead formation. Avg. Yield (kg/bag) Net Return B:C Ratio	ICAR-National Organic Farming Research Institute, Sikkim, (2013)	10	10	ChokpotgreDamalgre&SilkiBetagre
Livestock Production	Breed introduction	Popularization of Rainbow Rooster poultry breed as backyard poultry **Technology Details:** Rainbow Rooster Local breed Parameters to be Demonstrated: Age at first laying. Egg production/ annum.	CVSc., AAU, Khanapara (2014)	4	4 Units (20 chicks /unit)	Chokpot and Gongganggre

		Avg. egg Weight. Avg. body weight. (time frame) Net Return B:C Ratio				
	Breed introduction	Popularization of Rabbit- New Zealand White & Soviet Chinchilla for meat purpose **Technology Details:** New Zealand White & Soviet Chinchilla Parameters to be Demonstrated: Growth rate Age at first kidding Litter size Weight at 90 and 180 days Gestation period and number of kidding	ICAR , Barapani (2008)	10	10 Units	Chokpotgre , Bibragre&DagalGopgre
Fisheries	IFS / Integrated Modules	Rice –Fish farming under South Garo Hills condition. **Technology Details:** Rice field plot size (61×12m =732 sq.mt) Paddy plot design: Perimeter canal size (1m width & 0.75m depth) and centre pond size (5m dia. & 0.75 m depth) For rearing common carp only. Fish stocking density: 5000 fingerlings/ha. Fish seed size: 7cm Parameters to be Demonstrated**:** Growth of fish B:C ratio Net Return Yields	Division of fisheries, ICAR Research complex for NEH Region, Umiam, Meghalaya (2013)	2	4units	Balwatgre, Gongganggre and Reni Badimagre
	Breed introduction	Popularization of JayantiRohu in South Garo Hills **Technology Details:** Stocking Density: 10,000 fingerlings/ha Species ratio: Catla 20%,Silver carp 20%,	CIFA, Bhubaneswar **(**2014)	2	4units	WarimaSonggital, Raja Rongat and Chokpotgre

		JayantiRohu 25%, Grass carp 5%, Mrigal 15%. Supplementary feeding with locally available ngredients. Parameters to be Demonstrated: Growth rate Yield B:C ratio Net Return				
Agricultural Engineering	Evaluation of tools and implements (performance index, working efficiency etc.)	Popularization of Tractor Operated Paddy Thresher **Technology Details:** Tractor Operated: 35 (HP) minimum Drum size: 2000 × 760 mm Speed of drum: 700 rpm. Fan Size: 480 ×890 mm. Fan speed: 900 rpm. Threshing efficiency: 99%. Cleaning efficiency: 98%.	CIAE Bhopal **(**2012)	10	5	Dobogre, Bibragre and Chokpotgre
	Water management (Rain water harvesting structure etc.)	Low cost rain water harvesting structure- *Jhalkund* **Technology Details:** Size- (5x4x1.5) m^3 LDPE Agrifilm of 250 µ Crop- Cabbage, Brocoli and Tomato	Division of Agricultural Engineering, ICAR Research Complex forNEH Region, Umiam, Meghalaya(2 010)	3	3 unit	DamalgreandG ongangre
KVK West Garo Hills, Meghalaya						
Agronomy	Varietal Performance	Varietal performance of Sali Paddy **Technology Details:** Variety: CAU R1	CAU, Imphal (2010)	10	2.0	Anngalgre, Amindarangsa
Soil Science	Organic manure production)	Performance of microbial consortium for rapid composting **Technology Details:** Substrate + Cowdung (3:1) and Microbial consortium treatment @ 250 g in 200litre water + 2 kg jaggery (liquid)	IARI, New Delhi, (2012)	5	-	Bhoirakupi, Anngalgre
Plant pathology	Integrated Pest Management	Impact of poisoned bait trap in managing fruit fly in	ICAR Umiam,	5	0.5	-

		cucurbits **Technology Details:** Poisoned bait trap @ 15 traps per ha placed at the time of flowering	(2013)			
Animal Science	Breed introduction	Backyard farming with improved poultry breed **Technology Details:** Vanaraja	DPR, Hyderabad (2005)	20	400 nos	-
	Fodder production	Perennial fodder production **Technology Details:** Hybrid Napier	IGFRI, Jhansi, (2000)	20	5	-
KVK West Khasi Hills, Meghalaya						
Plant Protection	Integrated Pest Management.	Popularization of IPM in tomato **Technology Details:** Seed treatment with Trichoderma 2 5g/kg seed Foliar spray with neem formulation @ 2ml/l water Release of Trichogrammabrassilliensis at 30 DAS @ 50000 eggs/ha Thereafter 15 days interval	Directorate of Research, CAU, Imphal CAU (2013)	5	2	Mawnai, Phudbah, Nongshyiap
	Others (Pl. Specify)	Popularization of organic oyster mushroom production Package of practices for organic oyster mushroom cultivation (bed preparation, spawning, spawn running, crop management and harvesting)	ICAR, NOFRI (2015)	5	5 units	Phudbah, Langtor, Mawblei, Mawlyntriang
Horticulture	Integrated Nutrient Management	Low cost structure for high value organic vegetable production in northeastern hill region	ICAR-NOFRI,SIKKIM 2016	1	0.5	Mairang mission, Pyndengumiong
	Post Harvest Processing/ Value Addition	Sohiong Sohiong RTS and jam (Value addition)	Horticulture Division, ICAR, Umiam (2010).	2	2 units	Madan Bynther,Kynrud,Mawkamoit
	Housing structure	AAU Low cost evaporative cool storage structure	AAU, Jorhat (2012)	2	4 units	Madan Bynther,Kynrud,Mawkamoit
Animal Science	Housing	Low cost climate resilient environment-affinitive pig pen model	ICAR , Umiam (2013)	5	5 units	Nonglyput, Mawkynbat , Mairang mission

	Others (Pl. specify)	Integrated Farming System (Duck cum fish farming)	ICAR , Umiam (2014)	5		Mairang Mission, Mawkynbat, Nonglyput)
Fisheries	Pond management	Pre and post stocking management of pond for better water quality for fish farming **Technology Details:** Stocking density: 10000 nos./ha Stocking ratio: Surface feeder 35% Column feeder 20% Bottom feeder 45% Feeding @ 3 % of total weight of fish biomass Regular Application of lime & manure	ICAR RC NEHR, 2006	8	3	Nongstoin, Phudbah, Kynshi, Mawnar, ShyiapJarain, Langtor, Nonglait, Nongthliew
	Others Popularization of breed	Popularisation of Amur Common Carp in composite fish culture **Technology Details:** Stocking density of fish: 10,000 nos/ha Fish sp.(Catla, Rohu, mrigal, Silver carp, grass carp, amur carp) Stocking ratio: Surface feeder 35% Column feeder 20% Bottom feeder 45% Feeding @ 3 % of total weight of fish biomass.	ICAR RC NEHR, 2013	4	1	Nonglait, Riangdo, Nongkrem(Kynrud), Maroid
KVK Ri Bhoi, Meghalaya						
Agronomy	Varietal promotion	Promotion of Field Pea var. TRCP 8/TRCP 9.	ICAR Tripura 2016	20	5	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat
	Water management	Promotion of *Jalkund* for multipurpose use of water.	ICAR Umiam 2006	20	5	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat
Horticulture	Nursery production	Promotion of community vegetable nursery under polyhouse.	ICAR, 2011	40	0.1	Umngei, Nonglakhiat

	Protected Cultivation	Promotion of vegetable crops under polyhouse using organic source of nutrients.	ICAR, 2012	40	0.1	Umngei, Nonglakhiat
Soil Science	Varietal promotion	Popularization of Nutrient management in Soybean for yield improvement.	ICAR Manipur centre 2014	20	5	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat
	Cropping sequence	Promotion of paddy –pea cropping system with Organic Mulches for productivity enhancement	IIHR, Bangarluru, 2013	20	5	Mawthei Umeit Kyrdem Nongthymmai, Nonglakhiat
Plant Protection	Integrated Pest Management	Integrated management of powdery mildew in pea. **Technology Details:** **T1:** Early sowing in the month of August and field sanitation, destruction of diseased plants **T2:** Spraying of wettable sulphur @ 0.2% at 14 days interval **TO:** Farmer's Practice	ICAR – NOFRI, Sikkim, 2013	10	1	Syllei-u-lar,Nonglakhiat ,Thadnongiaw
	Other beneficial organisms	Popularization of Scientific Bee keeping for additional income.	ICAR RC for NEH Region, Umiam 2017	10	10	Nonglakhiat,Umeit,Thadnongiaw
Home Science	Kitchen Gardening	Promotion of Vertical Farming for landless farm women **Technology Details:** Shelve like pattern basket size diameter 1.5ft & height 3.5ft.	BRDC, GoMeghalaya , 2014	10	10	
	Post harvest technology : Hermatic Storage	Promotion of hermetic storage system (Grain Pro's Super Grain bags) on quality of grains.	PCI, 2014	40	40	
Fisheries Science	Varietal Evaluation	Popularisation of Amur common carp. **Technology Details:** T1 : Amur common carps Farmers's Practice: Normal Common carp.	ICAR 2010	10	1.0	Nongthymmai Nonglakhiat Pahamrinai Umket Umktieh
	IFS Module	Promotion of Integrated Fish	ICAR RC for	10	1.0	Kyrdem,

		cum Poultry farming. **Technology Details:** **T1**: Fish Integration with improved poultry birds(1200fingerling/ 1ha;20birds/0.1ha). **Farmer's Practice:** Local bird without integration.	NEH Region 2012			Sohriewblei, Nongthymmai Umeit Mawkyrdep Iewmawlong
KVK Jaintia Hills, Meghalaya						
Agronomy	On and Off farm waste management	Popularisation of on farm waste mangement through Vermicomposting method.	ICAR RC for NEHR, Umiam (2018)	5	-	Mulum, Larnai, Sohmynting, Moodymmai, Mukhla
Horticulture	Production technology	Popularization of Double row planting system of pineapple.	ICAR NEHR, Umiam (2008)	4	3	Iongnoh, Namdong, Iooski
	Nutritional gardening	Popularization of Nutritional gardens in schools for mid daymeals.	ICAR NEHR, Umiam	5	0.2	Jowai
	Orchard management	Canopy management of peach.	ICAR NEHR, Umiam (2012)	4	1	Mynsngat, Nartiang, Wahiajer, Ummulong
Plant protection	Biological control	Organic management of white grub infestation in turmeric.	ICAR-NOFRI, Sikkim, 2012	5	0.5	Lumkhudung, NamdongMoodymmai
	Integrated Pest Management	Monitoring and management of fruit flies.	ICAR, Umiam, 2014	4	1	Niriang, Larnai
Animal Science	Breed popularization	Rural poultry production with improved chicken variety *(Vanaraja)*.	Division of Livestock Production, ICAR RC for NEH, Umiam, 2006	15		Umlathkur, Sohmynting, Lumkhudung, Byndihati,Shangpung,Niriang, Moodymmai Wapung,Moobakhon,Umltkhur,Nangbah, Pynthorlangtein,Phramer,Umladang,Mynsngat
	Fodder production and quality enhancement	Popularization of Fodder Grass (Guinea & Congo signal).	IGFRI, Jhansi UP	10		Rymbai,NamdongA,Moobakhon,Mynso,Mulieh, Pynthorlangtein,Mustem,Myn

						sngat,Shangpung,Tongseng, Sohphoh,Saitsama,Namdong-B,Sehlama,Raliang
Fisheries Science	Pond management	Pre-stocking and post – stocking management of pond aquaculture in hills	COF-CAU ,2013	13	1.2	Amlarem, Sohmynting, Niawkmai, Lumpudung, Mukhla, Sohphoh
	Fish breeding	Common carp breeding and seed production in happa	ICAR ,Umiam, 2013	5	0.3	Nangbah, Wahiajer, Larnai, Amlarem
Agril Extension	Impact Assessment	Analysing backyard poultry as a source of livelihood. 1. Socio-economic benefits of backyard poultry 2. Comparison of different poultry varieties on the basis of egg production, body weight, mortality, etc. 3. Constraints and Benefits of adopting the technology	-	45	-	West WestJaintia Hills Jaintia Hills
KVK Aizawl, Mizoram						
Agronomy	Integrated Nutrient Management	INM:Modified System of Rice Intensification for higher productivity	ICAR RC for NEH Region, Umiam, Meghalaya, 2010	6	0.5	Durtlang, Thingsulthliah, Samlukhai
	Integrated Nutrient Management	Low cost Vermicomposting technology	Assam Agricultural University, Jorhat. 2015	8	0.0025	Melriat, Sairang, Thingsulthliah, Melthum
Horticulture	Integrated Nutrient Management	Demonstration of INM in Okra Var. Arka Nikita	IIHR, Bangaluru, 2018	5	1.5	Tlangvel, Thingsuilah,Muthi
	Organic Farming & intercropping	Popularization of Organic nutrient management in dragon fruit (2nd year)	ICAR – CIFRI, Port Blair; 2016	5	1.5	Muthi, Durtlang, Sihphir,
Plant protection	Integrated Disease	Soil application of *T.harzianum* @ 2.5 kg/50 kg	ICAR, Kolasib,	5	0.5	Sesawng, Thingsulthliah

	Management.	FYM/ha at the time of planting + hot water treatment@ 47'C + drenching of soil with Cu oxychloride 0.3% before planting.	2014			
	Biological control	Sucker dipping with *T.harzianum* @ 4g/litre of water before planting/Initial dip + Foliar spray of *T.harzianum*@4gm/litre of water at 30 day's time interval	ICAR, Kolasib, 2016	5	0.5	Zemabaw, ,Durtlang
Home Science	Value Addition	Popularization of Chemical treatment for increased vase life of the spathe of Anthurium.	Assam Agricultural University, 2015	5		Aizawl District
	Value Addition	Popularization of Low Cost Instant Ginger Candy.	ICAR RC for NEH Region, Umiam 2014	5		Aizawl District
Agril Engineering	Resource conservation technologies	Geomembrane (HDPE woven) vermi beds for vermicompost and vermi wash production.	CIAE Bhopal & (CIPET) Lucknow (2010)	5	0.002	Durtlang North &Aibawk
	Resource conservation technologies	Gravity base inline drip irrigation system for tomato cultivation under polyhouse system.	IHT, Noida, UP. (2015)	5	0.05	Mel 5 &Muthi
	Storage structure	Demonstration on zero energy cool chambers.	TNAU, Coimbatore, 2012-13	5	0.001	VenghlunSihphir&Aibawk
Fisheries Science	Pond management	Popularization of seasonal fish rearing in Jalkunds.		5	0.001	Sihphir, Selesih, Durtlang
	Species introduction	Demonstration of superior growth performance of common carp – Amur (Hungaran strain) in seasonal ponds in mid-hill region.	ICAR RC for NEH Region, Umiam, 2013	5	0.006	Sihphir, Durtlang, Sairang, Thalmual,
Animal Science	Feeding management	Feeding Management with Urea molasses mineral mixture for Cattle @ 3kg /Milch cattle/ month.	CAU (2014)	5	5	Tuirial, Muthi
	Healthcare	Deworming and supplementation of vitamins and minerals of pigs. 1.Regular deworming with Fenbendazole @ 7.5 –	ICAR, Barapani (2008)	5	5	Muthi, Sakawrtuichhun

		10mg/kg @ 3 months interval 2. Vitamins and Mineral supplementation: Minamil powder @ 20 g/head/day for 20 days @ 2 monthsinterval				
KVK Champhai, Mizoram						
Agronomy	Varietal evaluation	Popularization of Groundnut Variety: ICGV 91114. **Technology Details:** D.O.T. : June Seed rate : 80kg/ha Observation : 1. Date of sowing 2.Grain yield (q/ha) Farming Situation : Rainfed	ICRISAT, Hyderabad, 2007	10	5.0	Mualkawi, Khawzawl, Phaisen, Tuisen
	Integrated Nutrient Management	Popularization of Aman/AP-3 with *Rhizobium* inoculation. **Technology Details:** Sowing: November Seed rate : 80 kg/ha Technology: *Rhizobium* coating @200g/10kg seed Observation : 1. Date of sowing 2. Seed yield (q/ha) Farming Situation : Rainfed.	IIPR, Kanpur, 2017	20	10	Phaitha, Tuimuk, Zotlang, Tuisen
Horticulture	Varietal evaluation	Demonstration of IARI carrot variety PusaVrishti **Technology Details:** Seed rate: 8-10 kg/ha Spacing: 30 X 10 cm FYM: 100q/ha N:P:K: 50:40:50 kg/ha	IARI, 2009	15	6.75	Ngaizawl, Chawngtlai, Biate, Khawzawl, Tualte
	Varietal evaluation	Popularization of tomato variety Arka Samrat **Technology Details:** Seed Rate 125-175g/Ha NPK kg/ha 120:50:50 kg/ha Spacing : 60 X 45 cm	IIHR, 2016	15	6.75	Biate, Chawngtlai, New Chalrang
	Varietal evaluation	Popularization of tomato variety ArkaAbhed. **Technology Details:** Seed Rate 125-175g/Ha NPK kg/ha 120:50:50 kg/ha	IIHR, 2018	10	4.5	Tualte, Tuipui and Chawngtlai

		Spacing : 60 X 45 cm				
Plant Protection	Product evaluation (Efficacy)	Demonstration on Management of Citrus Psylla(*Diaphorinacitri*in Mandarin Orange **Technology Details:** Foliar application of novaluron 10EC @ 0.005% twice at 15 days interval during flushing period.	Citrus Research Station, Assam Agricultural University, Tinsukia-786125, 2018-19	10	4	Khawzawl Chalrang, New Chalrang Sialhawk Biate
	Integrated pest Management	Integrated Pest management of Fall Army Worm **Technology Details:** 1. Seed treatment with Cyantraniliprole 19.8% + Thiomethoxam 19.8% @ 4ml/1 kg 2. Spraying with NSKE 5% 1 week after planting. 2.Spraying with Bt @ 2gm/litre water 2-3 weeks after planting 3) Installation of Pheromone trap @ 4-5 traps/acre 4) ETL based spraying with Emamectin benzoate 5% SG @ 0.4 g/lt.	ICAR Kolasib,2019	10	2	Khawzawl, Chawngtlai Zotlang, Ruantlang
Soil Science	Soil biology (BGA/ Azolla)	Introduction of biofertilizers on growth and yield of French Bean **Technology Details:** T1-Phosphorus Solubilizing Bacteria (*Pseudomonas sp*) (@ 2.5 kg/ha + Rhizobium seed treatment @100g/kg seed will be given uniformly T2-Farmer Practice(No treatment) Sowing time: First week of July Spacing: 45 cm X 10 cm	S.V.Agricultural College, Tirupati 2010	10	2	Tuipui Tualte
	Integrated Nurient Management	Potassium nutrition on yield and quality of Grapes variety Bangalore Blue **Technology Details:** T1-K_2O @ 400g/vine T2-Farmers practice(No	IIHR, Bangalore 2010	10	5	Vengsang, Ruantlang, Tlangsam

		treatment) (Fertilizer will be applied in split doses i.e Half dose of Potash will be applied immediately after pruning and the other half after 60 days of pruning.				
Agro Forestry	Introduction of Hedgerows farming	Pineapple based Hedgerows farming system. **Technology Details:** T1: Hedgerows cropping of *Tephrosia candida* (5 m interval) and pineapple (30x60x90 cm)	Assam Agriculture University, Jorhat, Assam,2015	5	5	
	Introduction of Hedgerows farming	Ginger based Hedgerows farming system. **Technology Details:** T1: Hedgerows cropping of *Tephrosia candida* (5 m interval)and Ginger (30x30cm)	Asam Agriculture University, Jorhat, Assam, 2015	5	4	
KVK Kolasib, Mizoram						
Horticulture	Varietal evaluation	Popularization of Purple French Bean Var. 'Zorin'.	Department of Agriculture (R&E), Mizoram, 2019.	10	1.0	Chemphai, Buhchangphai, Kolasib
	Orchard Rejuvenation	Citrus Rejuvenation in M. Orange.	ICAR-NRCC, Nagpur, 2014	10	5.0	Kolasib, Thingdawl, Sethrawn, Kawnpui, Lungdai
Soil Science	Soil health	INM in Rajmah. **Technology Details:** NPK@ 60:45:40kg/ha; Seed inoculation with PSB @ 50g/kg of seed; Foliar spray	RARS, Shillongoni, Nagaon AAU, 2015	10	2	Buhchangphai, Kolasib, Chemphai
	Soil microbes (beneficial)	INM in Lentil along with biofertilizer component. **Technology Details:** NPK@ 10:20:15kg/ha; Seed inoculation; Rhizobium and PSB @ 50g/kg of seed; Seed rate30 kg/ha	RARS, Shillongoni, Nagaon AAU, 2015	10	2	Buhchangphai, Kolasib

Plant protection	Integrated Pest Management.	Ecofriendly management of fruitfly in Pumpkin.	NIPHM, Hyderabad,2018	10	1.0	Buhchangphai, Kolasib, Thingdawl
	Biological control	Biological management of Fruit borer. (*H.armigera*) using *Bacillus thuringiensis* in Tomato	NBAIR,Bangalore,2017	10	1.0	Buhchangphai, Kolasib, Chemphai
Animal science	Breed introduction	Popularization of Kadaknath Poultry	GAD Veterinary & Animal Sciences University, Ludhiana, Punjab 2015	10	-	Bualpui, Buhchangphai, Kawnpui, Vengthar
	Breed improvement	Popularization of dual purpose poultry (RR) among rural women to improve livelihood security	Indbro Research and Breeding, Hyderabad 2013	10	-	Lungdai, Bilkhawthlir, Kawnpui, Vengthar
Agro Forestry	Introduction of high value crops/ livestock in different systems	Cultivation of Improved dwarf variety of Coconut(Kalpajyothi)	ICAR-CPCRI Kasaragod 2018	10	2	Pangbalkawn,Buhchangphai,Kolasib,Bilkhawthlir
	Reclamation of degraded area with MPTs etc.	Promotion on Cultivation of Lac host *Flemingiasemialata* for Lac cultivation for enhancing rural livelihood.	IINRG, Namkum, Ranchi, 2014	10	2	Thingdawl
KVK Lawngtlai, Mizoram						
Agronomy	Varietal evaluation	Popularisation of Soyabean cultivation **Technology Details:** Variety VL 63 time of sowing – August spacing – 45cmX5cm NPK - 20:60:40 kg	VPKAS, Almora, 2008	12	3	Chawnhu Kawlchaw Thingkah
		Popularisation of Maize cultivation **Technology Details:** Variety HQPM 5, Time of sowing – June, Spacing – 60X20cm, NPK –100:80:60 kg	CCS HAU, Karnal, 2007	10	4	Chawnhu Kawlchaw Thingkah Sihtlangpui
Horticulture	Varietal evaluation	Varietal evaluation of Radish variety *Arkanishant*	IIHR Bangalore (1995)	5	1.0	Chawnhu, Bualpui NG and Thingkah

		Varietal evaluation of French bean variety *Zorin bean*	State Seed variety Release, Mizoram (2019)	5	1.0	Chawnhu, Bualpui NG andChawntlangpui
Plant Protection	Integrated Pest Management.	Management of Fall Army Worm **Technology Details:** 1. Installation of FAW Pheromone traps 2. Emamectin benzoate 5 SG @ 0.4 g/lt	IIMR, Ludhiana, Punjab, 2019	10	10	Ngengpui, Thingkah, Chawnhu
		IPM on Diamondback Moth and Aphids **Technology Details:** 1. Mustard as trap crop (25 : 2) 2. Yellow sticky traps @ 12 no's/ ha 3. Spray *Bacillus thuringiensis* (1%) at 10 DAT 4. Spray Neem oil (1%) at 20 DAT and repeat 2-3 times at 15 days interval	IIHR, Bengaluru, 2015	10	10	Ngengpui, Bualpui NG
Animal Science	Feeding management	Impact of Urea Molasses mineral block supplementation on the production performance of Dairy Cattle. **Technology Details:** T1: Farmers Practices No supplementation of UMMB T2: Supplementation of UMMB ad libitum for licking to Lactating Cows for a period of 3 months T3: Supplementation of UMMB ad libitum for licking to Pregnant Cows (third trimester) Composition of UMMB: 1. Urea – 10% 2. Molasses-38% 3. Wheat bran- 40% 4. Mineral mixture- 5% 5. Common salt- 1 % 6. Cement- 6%	GADVASU, Ludhiana, 2013	5	-	Chawnhu, Lawngtlai, Mampui

		Size of wooden mould: 9" x 5" x 5"				
	Healthcare	Title: Prevention & Control of ecto-parasitic infected skin diseases in Pig. **Technology Details:** Treatment of infected pigs by using: 1. Ivermectin injection s/c@10mg/30kg.Bwt 2. Cypermethin@ 100 mg/lts water 3. Symptomatic treatment	CAU, 2015	30	-	Chawnhu, Lawngtlai, Thingkah, Sihtlangpui, Diltlang
Home Science	Income generation	Popularization of dehydrated pineapple slices using sugar solution	IIHR, Bangalore	5	-	Lawngtlai Chawntlangpui Chawnhu
		Popularization of mango squash preparation	TNAU, Coimbatore, 2016	5	-	Chawngte 'P' Lawngtlai Chawnhu Kawlchaw west
Agricultural Extension	Impact Assessment	Impact of poultry farming (rainbow rooster) on socio-economic aspects of farmer. **Methodology:** 1. Selection of farmers-farmers will be selected purposively where training and demonstration was conducted by KVK. 2. Data will be collected using Structured questionnaire and interview schedule from household survey. 3. Data will be analyze using percentage, mean, frequency distribution and standard deviation to describe parameters as socio-economic characteristics and regression model for interpretation of result.	NA	30	-	Chawnhu Lawngtlai Thingkah
	Impact Assessment	Impact Assessment of mushroom production for rural women. **Methodology:**	NA	30	-	ChawnhuChawntlangpui

		1.Sample of 30 farm women will be selected who are interested in mushroom training from the ,15 each from 2 selected villages 2. Data will be collected using structural interview schedule personally. 3. Data will be analyzed through mean, frequency and percentage.				
KVK Lunglei, Mizoram						
Agronomy	Seed Production	Seed production of rice var. RC- Maniphou-11, RC-Maniphou- 12, RC-Maniphou-13	ICAR for NEH Lamphelpat 2012, 2016	10	5	Hnahthial, Tuipui-D, South Vanlaiphai
Horticulture	Integrated Weed Management	Weed management in Tomato by using mulch **Technology Details:** Mulching material:Ground cover fabric120 GSM) 1) Sowing : September 2) Nutrient management: FYM or Compost @ 10t/Ha and N:P:K @ 120:80:60 Kg/Ha. 3)Spacing: 60 x 45m	IIHR Bangalore, 2014	10	2	Hnahthial, Tuipui D, Thiltlang, Lunglei
	Offseason Vegetable Production	Off season cultivation of Cabbage **Technology Details:** 1)Sowing: May, June,July 2)Spacing: 45 x 30cm 3)Nutrient management: FYM or Compost @ 5 t/Ha and N:P:K @ 80:60:60 kg/ Ha	IIHR Bangalore, 2015	10	2	Cherhlun,Thingsai,Thiltlang, Rotlang E)
Soil Science	Soil health	Biological soil conservation measures to increase available soil nutrients **Technology Details:** Tech opt 1- Planting of broom grass at the upper slope (bunds across the slope) Planting of lemon grass/ citronella in contours Planting of cover crops like cow pea,	ICAR ,Umiam 2015	10	10	Hnahthial, Rawpui

		groundnut, summer pulse Green gram &black gram. Tech opt 2: Farmers practice				
	Soil management	Title: Foliar application of water soluble macro and micronutrients in Potato Tech opt 1- - Foliar application of water soluble fertilizer @ 5g/lt. (1kg/200lt. for 1 acre) - Foliar application of micronutrient mixture - Zn, B, Mn, Fe @ 1-1.5-10-5 g/lt., respectively. Spray at 15 days before and after flowering Tech opt 2: Farmers practice	BCKV, 2017	10	10	Cherhlun, Rawpui, Tuipui D
Animal Science	Feeding management	Urea molasses block for cattle (One block/cattle/month) INGREDIENTS of UMMB (3 kg block) Kurtai - 900 gm Urea - 300 gm Favai - 600 gm Maida - 450 gm Mineral Mix - 450 gm Chi - 200 gm Cement - 100 gm	CAU, 2015	10	-	Hnahthial, Pangzawl
	Healthcare	NIL SRM-PIG herbal ointment (Apply on severely infected skin twice daily for 7 days)	CAU, Selesih (2014)	10	-	Hnahthial, adopted villages Cherhlun, Thingsai, Thaizawl
Home Science	Energy saving tools/ devices	Introduction of improved equipmentsfor cleaning animal shed (long handle broom & dung collector) **Technology Details:** Bamboo/WoodLength - 120cmWeight – 0.650kg Material used for Dung collector –Bamboo/wood /iron Length – 120cm Weigh – 1.200kg Shape – semi circle	PAU,Ludhiana,2017	10	-	Zobawk and Hrangchalkawn
	Storage	Assessment of dehydration	NRC, Solan,	10	-	Lunglei

	techniques (grains/ fruits/ fishes/ meat etc)	of Mushroom (Oyster mushroom) **Technology Details:** Tech opt -1 : Blanching (NaCl) + drying in sun Tech opt -2: Blanching (NaCl) + KMS + drying in sun	HP,2017			
KVK Mamit, Mizoram						
Horticulture	Varietal evaluation	Popularization of tomato var. Arka Samrat for higher income Triple Disease Resistant (Leaf curl, bacterial wilt & early blight)	IIHR, Bangalore, 2016	15	5.0	Lengte, Dialdawk, Darlak Saithah Rulpuihlim
	Integrated Nutrient Management	Cultivation of okra by using organic source of nutrient **Technology Details:** Variety: *Kashi Kranti* Spacing :50cm X45 cm Seed rate: 800g /ha(10g /m^2) Seed treatment with bio-fertilizer slurry for at least 1 hour before sowing of seeds Manure application:Vermi compost 5t/ha with Rock phosphate 375kg/ha Land preparation: Minimum tillage operation. Pest management: As per package of practise recommended with technology	AAU, Jorhat 2015	10	2.0	Lengpui, Lengte, nghalchawm
	Protected cultivation	FLD on protected cultivation of round the year vegetable cultivation. **Technology Details:** • Cultivation inside Net house & low cost poly house • Crops,-Tomato-Cucumber-French bean, in sequences • Tomato – Arka Samrat (January – April) • Cucumber Local (May – August) • French bean Arka Anoop	CPCT IARI, New Delhi, 2013		0.2 ha	Dialdawk,W.Serzawl, Lengte , Nghalchawm

		(September- December)				
Animal Science	Production of Eggs	Improvement in Egg Production in layer birds	Division of Livestock production, ICAR for NEH Region, Umiam, 2006	5	-	lengpui
		Popularization on replacing Maize with Bakery Waste on the performance of growing crossbreed pigs	ICAR, NRC on Pig, 2016	4	-	Lengpui
Fishery	Feeding management	Food and feeding management of Major carps (IMC & EMC) to increase fish production. **Technology Details:** i. Survey and procurement of locally available feed materials ii. Formulation of feeds Demonstrating different types of feeding practice	CAU, Lembucherra, 2013	20	-	Lengpui, Lengte, Darlak
	IFS	Demonstration on Fisheries based IFS of Fisheries, Animal Husbandry and Horticulture	ICAR, kolasib ,2010	2	-	Lengpui, Darlak
Agro-forestry	Introduction of high value crops/ livestock in different systems	Intercropping of Arecanut with Mizo Bird's Eye Chilli on hill slope	AAU, Jorhat, Assam, 2015	10	2.0	Dialdawk, W. Serzawl, Lengte, Nghalchawm, Darlak
	Canopy Management (Pruning/ Topping)	Canopy Management in Tree Bean	ICAR-NEH Region, Kolasib2013	10	2.0	Dialdawk, Lengpui, Lengte, Nghalchawm,
KVK Serchhip, Mizoram						
Agronomy	Inter-cropping	Popularization of Intercropping of Maize with Cowpea : Maize (RCM-76) + Cowpea (Kashi Kanchan) Inter cropping in 2 : 4 ratio in Jhum Spacing : Maize : 45 × 30 cm Cowpea : 30× 15 cm	Regional Research Station, UBKV, WB, 2018	15	10	Lungchhuan, N.Vanlaiphai, Mualcheng, Bawktlang

	Broad bed & Furrow	Popularization of Broad Bed and Furrow Cultivation of Bean: Dimension : 90 cm top bed, furrow : 45 cm Crop : Common bean Var. Arka	IIWM, Bhubane-shwar, 2018	15	10	Chekawn, N.Vanlaiphai, Lungchhuan
Horticulture	Crop production	Popularization of Tomato Var. ArkaRakshak: Spacing : 80 cms x 90 cms Fertilizer application NPK-120:80:80 Kg/ha	IIHR, Bangalore, 2012	12	4	Lungchhuan, N.Vanlaiphai, Leng, Khawlailung
	Offseason Vegetable Production	Round the year production of offseason vegetable production **Technology Details:** Cucumber (Feb–May) Tomato (June –September) Capcicum(October-February)	ICAR, Barapani, 2012	15	10	Chekawn, N.Vanlaiphai, Bawktlang
Home Science	Storage techniques (grains/ fruits/ fishes/ meat etc)	Popularization of Hermetic storage system (Grain pro's super bags)	PCI, 2005	10	-	N.Vanlaiphai
	Processing and value addition	Demonstration on Litseacubeba Oil Infused (Based oil (Coconut) &Litseacubeba with 3:1)	CFTRI, Mysore	10	-	N.Vanlaiphai Lungchhuan
Agricultural Engineering	Resource conservation technologies (Zero tillage, drip irrigation, laser leveller etc.)	Drip Irrigation + Plastic mulching	CIPHET, Abohar, 2009	5	0.75ha	Chekawn, Khawlailung N. Vanlaiphai, Keitum
	Protected cultivation	Low cost bamboo frame polyhouse technology	NA	10	0.05	N.Vanlaiphai, Bawktlang, Lungchhuan
Agriculture Extension	Formation of Groups	Empowerment of Self Help Group members of E.Lungdar block through vocational trainings on Mushroom production	NA	6	-	E.Lungdar Block
	Benchmark Survey (PRA etc)	Identification of agriculture & allied sector problems through PRA methods-	NA	1	-	Khawlailung

KVK Siaha, Mizoram						
Horticulture	Crop production	Demonstration on effect of dates of planting on the yield of cabbage (var. Rareball)	ICAR, 2012	10	2	Tipi Ferry
	Flower production	Popularization of Gladiolus (var. Arka Amar)	IIHR,2012	5	1.5	Kaochoa E & Council Vaih
Plant Protection	Integrated Pest Management.	Management of Bacterial wilt of brinjal. (Var. Arka Anand)	IIHR, Bangalore, 2012	10	1.5	Lobo &Naoahtla
	Integrated Disease Management.	Organic Management of Insect Pests in Mustard (var Local).	ICAR-NOFRI, Sikkim Centre, 2014	10	1.5	Lobo &Naoahtla
Animal Science	Housing	Low Cost climate resilient pig pen model	Division of Livestock production, ICAR RC for NEH region, Umiam, - 2013	10	-	Siahatla& College vaih
	Pasture management	Hay making	CAU, Selesih, 2012	10	-	Meisavaih&Siahatla
Home Science	Others	Preparation of Cheese by raw milk.	National Dairy Research Institute, Bangalore - 2015	10	-	Meisavaih, Council Vaih
		Popularisation on Value added products of Mango as Mango squash & mango bar.	TNAU, Coimbatore - 2015	10	-	Kaochhao, Zero
Agriculture Extension	Impact Assessment	Impact analysis on Management of bacterial wilt disease of brinjal (Var. Arka Anand))	NA	30	-	Lobo &Naoahtla
		Impact analysis on Value addition in Mango	NA	30	-	Kaochhao and Zero
KVK Dimapur, Nagaland						
Agronomy	Seed Production	Popularization of Toria var. TS-67 in Paddy -Toria cropping sequence under late sown condition	AAU, Jorhat 2011	20	10	Niuland, Seithekema
	Nutrient Management	Nutrient management on RCM-13, N:P:K-60:40:40	ICAR Manipur centre, 2016	10	5.0	Niuland, Seithekema,

Plant Protection (Plant Pathology)	Biological control	Bio-control of stem borer in rice **Technology Details:** 3 release of *Trichogramma japonicum*@1,00,000/ha. 30 DAT; Application of neem oil @3ml/lit at pest occurrence	NBAII, Bangalore, 2011	5	3.0	Dhansiripar, Moava, Doyapur
	IPM	IPM in cabbage **Technology Details:** Mustard as trap crop after every 25 rows of cabbage, Release of *Trichogramma brassicae* @ 50000 eggs/ha, Spray with chlorothaonil@0.2%	NCIPM, New Delhi	5	1.0	Tenyiphe Seithekima Zhuheshe
Animal Science	Pig	Popularization of Rani pigs	NRC on Pig, Rani, Guwahati, 2016	6	18 piglets	Zuheshe, Maova, Ekhyoyan
	Poultry	Popularization of Vanaraja birds	PDP, Hyderabad, 1998	6	300 chicks	Zuheshe, Maova, Ekhyoyan
Home Science	Value Addition in Tapioca	Cake preparation from Tapioca flour **Technology Details:** Preparing of Cakes from plain Tapioca flour and also with Banana, Dry fruits and Chocolate	CIPHET, Ludhiana (2006)	4		Bade, Selouphe
	Value Addition in Jackfruit	Preparation of Jackfruit chips **Technology Details:** Pulp of Matured and unripe fruits are sliced and fried to chips	Technology Inventory for North East. Published by ICAR-ATARI, (2016-17)	4		Maova, Vidima
KVK Kohima, Nagaland						
Agronomy	Seed Production	Popularization of soybean (Var VL-Soya 77) **Technology Details:** Duration : 130 days Potential yield: 27q/ha	VPKAS, Almora, 2016		1	Sewanyu and new tesophenyu
		Popularization of TRC Paddy (Var. Abhishek)	CRRI, Cuttack		0.5	Kigwema&Phesama

		Technology Details: Duration : 125-130 days Seed rate : 50 kg/ha Potential yield: 50-60q/ha	2006			
	Integrated Water Management	Demonstration on modified system rice intensification for higher productivity **Technology Details:** Nursery may be raised using modified mat method for producing robust healthy seedlings. The main field should be prepared uniform and levelled field for better water management. Scoop out 18-20 days old seedlings along with the soil and mother seeds. A thin film of water in main filed should be maintained during transplanting. Transplanting should be done with single seedlings using square spacing of 20 x 20 cm. Continuous flooding should be avoided. Weed management is done through conoweeder and hand weeding.	ICAR for NEH, 2010			
Horticulture	**Varietal evaluation**	Popularization of garden pea (Var. Pusapragati) **Technology Details:** Early maturing cultivar with slightly straight green pods having 8-10 seeds/pod. First green pods are harvested in 50 days Sowing time: Sept-Nov Spacing: 30-45cm x 5-10 cm Maturity:60-100 days Yield:70-80 qtl/ha	IARI, New Delhi		1	Tseminyu, Penda, Gujji and NerhaPezha
	Post-Harvest Processing/ Value Addition	Value addition in raw Aonla **Technology Details:** Wash raw aonla thoroughly in running water. Prick the fruit with fork and add all the ingredients (Aonla 1kg, fenugreek powder 200gms,	IARI, New Delhi 2012		4 SHGs	Henbenji&Phenwenyu

		fennel 20gms, turmeric powder 30gms, mustard powder 50gms, red chilli powder 300gm, sesame powder 10gm, oil and salt to taste) and mix well. Bottled into sterilized bottle and add oil so that it forms a layer on the top to prevent fermentation.				
Soil Science	Soil management	Introduction of green manure on TRC in paddy. **Technology Details:** Dhaincha is use as green manuring in terrace rice cultivation and is applied @ 50kg/ha at the time of final land preparation and allowed to grow at the knee stage. The green manure is slashed /cut during succulent stage for incorporating in the soil. It allowed 2-3 weeks for decomposition and the paddy seedling are transplanted in the field.	ICAR Sikkim, 2009		1.0	Tseminyu
	Soil amendment (Lime/ Others)	Promotion of lime (@500kg/ha) application for amendment of acidic soil in paddy. **Technology Details:** Due to high acidic content (PH-4.7) in soil Lime is broadcasted after land preparation and is thoroughly mixed up with top soil and sub soil. The field is replicated twice both in the treatment and control plot.	IISS Bhopal, 2013		0.7	Phenwenynu
	Soil biology (BGA/ Azolla)	INM of Ginger **Technology Details:** Organic manure @ 2.5t/ha + bio-inoculation @ 4kg Azotobacter and 4kg PSB + 25kg lime as soil treatment	ICAR Research Complex, Arunachal Pradesh, 2011		0.4	Tesophenyu
Plant Protection (Entomology/	Integrated Pest Management	Management of Fall army worm with the application of Emamectin Benzoate5 SG @	Indian Institute of Maize		1.5	Chunlikha

Plant Pathology/ Nematology)		0.4g/lit.	Research, PAU, Ludhiana 2019			
		Management of Aphids with the application Neem Oil 5% and installation of yellow sticky traps in broccoli	IIHR, Bangalore 2015		0.5	Jotsoma
Animal Science	Breed introduction	Popularization of Turkey farming in backyard system **Technology Details:** Hardiness and adaptability to diversified agro-climatic conditions. It can be reared under free range or intensive system	ICAR RC for NEH Region, 2011		50 Nos.	K.Station
	Breed introduction	Popularization of Quail farming in backyard system **Technology Details:** Hardiness and adaptability to diversified agro-climatic conditions. Requires less housing and capital investment and can be reared under deep-litter and cage system. Resistant to many disease as compared to other poultry species	ICAR RC for NEH Region and 2011		400 Nos.	Ziphenyu and New Tesophenyu
Agricultural Extension	Impact Assessment	Impact study of KVK training programmes in increasing the knowledge level of the trainees	-		-	KVK office
	Technology Backstopping	To demonstrate the performance of chuff cutter in reducing drudgery of farm women	CIAE		5 Nos.	New Tesopenyu&Tesophenyu
KVK Kiphere, Nagaland						
Agronomy	Variety popularization	Popularization of Pea Aman	IIPR, Kanpur, 2009	10	20	Phelungerans, longthonger
	Production of bio inputs	Vermicomposting	AAU, 2015	3 units	3	Phelunger, Langkok, Longthonger
	Oilseed	Toria TS-38 **Parameter for demonstration:** Yield parameters and economic analysis	AAU, 2006	5	30	Phelunger, Langkok, Tetheyu

KVK Longleng, Nagaland						
Animal Science	Breed introduction	Popularization of New Zealand white and Soviet Chinchilla rabbit at backyard	Technology inventory, ICAR Barapani, 2008		20 rabbits	
	Healthcare	Healthcare (Vaccination, Deworming and Vitamin, mineral mixture supplementation)	ICAR RC NEH region Barapani, 2008		20 pigs	
KVK Mokokchung, Nagaland						
Agronomy	Integrated Nutrient Management	Demonstration on Soybean Var. RVS-2001-04	RVSKVV, Gwalior, 2010	6	1	Mekhuli, Longsa
	Integrated Crop Management	Toria sequential cropping Tech. : TS-67	RARS, Shillongon, AAU, 2007	8	2	Luyong, Moalenden, Khanimu
	Integrated Farming System/ Integrated Crop Management	Demonstration on Pea Tech. : Azad		8	2	Longkhum, Ungma
	Popularisation of technologies (CAU R-1 and RCM -76)	Demonstration on Paddy Tech. : CAU-RI	ICAR, ImphalCenter , 2010	15	9	Luyong, Longjang,
		Demonstration on Maize Tech. : RCM-76	ICAR, Barapanicent er, 2008	6	3	Longkhum, Yimchalu, Longsa
Horticulture	Orchard Rejuvenation	Rejuvenation of orange orchard	ICAR,Barapa ni-2015	3	1.5	Yisemyong, Kupza, Changtongya
	Varietal Popularization	FLD on chilli variety Arka Meghana	IIHR-2014	6	3.0	Longsa, Mopungchuket, Kinunger
		Demonstration on improved cabbage variety BC 76	IIHR-2016	6	2.5	Luyong, Merangkong, Aliba
		FLD on Tomato variety Arka Samrat	IIHR-2016	6	3.0	Longkong, Mangkolong, Longkhum
	Popularisation of technology	Scientific cultivation of Broccoli	ICAR-2016	6	3.0	Merangkong, Kinunger, Kupza,
Plant Protection	Integrated Pest Management	Management of White grub in Potato	NCIPM, New Delhi, 2010	8	2	Alichen & Longjang

		Technology Details: • Liming 2- 3 months before sowing @ 200-400 kgs/ha • Application of ash and *Lantana camara* leaves at time of planting • Mixing *Metarhiziumanisopliae* and EPN in organic manure 15 days before sowing to be applied during planting of tubers and at earthing up and spray of *Beauveriabassiana* and NPV @5ml/lt water at vegetative stage				
	Integrated Pest Management	Management of fruit borers in Tomato **Technology Details:** • Seed treatment with *Trichoderma* 2.5g/kg seed • Foliar spray with neem formulation @ 2ml/l water • Release of *Trichogrammabrassilliensis* at 30 DAYS @ 50000 eggs/ha • Thereafter 15 days interval	Directorate of Research, CAU, Imphal CAU, 2013	6	1.5	Longkhum
Plant breeding	Seed production	Demonstration on seed production technology of off season cucumber		4	1	Kinunger, Kupza
	Integrated crop management	Demonstration on Pea Arkapoorna	IIHR 2008	4	1	Moalenden
	Others (Pl. specify)	Demonstration on paddy Shashasarang	ICAR Barapani 2013	4	1	Kinunger, Aliba
Agricultural Extension	Impact Assessment	Popularization of chaff cutter in comparison with the local Machete in fodder preparation.				Yimchalu
KVK Mon, Nagaland						
Agronomy	Varietal Popularization	Introduction of HYV paddy RCM-13			1	Aboi,langmeang
	Popularisation of technology	Zero tillage system production of pea in rice fallow	Division of crop production	10	2	Chinglong, langmeang

			(Agronomy) ICAR, Umiam Meghalaya			
Horticulture	Varietal Popularization	French bean var.Arka Anoop & ArkaSuvidha	IIHR, Bangalore	6	0.6	Aboi, Ngangching, KVK farm
	Popularisation of technology	Oyster mushroom cultivation in paddy straw	SASRD, Medziphema, Nagaland	6	05 SHGs & KVK farm	Aboi, Langmeang, KVK farm
Plant Breeding & Genetics	Varietal / hybrid evaluation	Popularization of Turmeric variety Megha Turmeric- 1 for income generation. **Technology Details:** Potential yield –270 q/ha. Cost of Technology – Rs. 30,000/-	ICAR (RC) for NEH Region, Umiam, Meghalaya; 2013	5	1	
	Seed production	Popularization of Seed production of soybean variety JS- 335 in foxtail millet fallow land **Technology Details:** Potential yield –25-30 q/ha. Cost of Technology – Rs. 24,000/-	NRC Soybean, Indore (M.P.), 1994	10	2	
Soil Conservation	Soil amendment (Lime/ Others)	Impact of French bean production through use of organic inputs & mulching **Technology Details:** FYM @4t/ha & paddy straw mulching @ 2t/ha	ICAR,Barapani 2014-15	4	1	Ngangching,Mohung, Aboi
	Soil& water management	Performance of paddy straw & weed biomass mulching on *Colocasia* **Technology Details:** Paddy straw & Weed bio-mass mulching on colocasia @ 2t/ha at 20 days aftersowing	CTCRI, Thiruvananth a, Kerala	4	1	Langmeang, chinglong, Aboi Town
Animal Science	Breed introduction	Popularization of Japanese Quail bird for income generation. FLD 1st year. **Technology Details:** Japanese Quail. 55 numbers of Quail birds (	ICAR RC for NEH Region, Umiam, 2011	10	550 Nos.	Aboi,Mon&Tanhai

		15 days old) will be provided per beneficiary				
	Feeding management	Demonstration of mineral supplementation (AAUVETMIN) and deworming in pig. FLD 3rd year **Technology Details:** **T1.** Mineral (AAUVETMIN) @ 20g/pig/day X 6 months (after weaning)and Anthelmintic i.eFenbendazole @ 10mg/kg bwt (after weaning) at the interval of 3mths. **T2.** Farmers practice without supplementation of mineral & deworming	C.V. Sc. Khanapara, AAU, 2015	10	36 Kg of mineral AAUVETMIN (3.6 kg/pig for 6 mths) &fenbendazole 25 strips	Angphang, Aboi
KVK Phek, Nagaland						
Agronomy	Tillage Management/ Farm Machinery	Variety – Aman Seed rate – 70 kg/ha Spacing – 8 cm MOS – October No till for resource conservation Use of weed biomass Use furrow opener	ICAR Umiam, 2011	10	1	Porba
	Crop production	Variety – HQPM 9 Seed rate – 20 kg/ha Spacing – 60 X 20 cm MOS – April	VPKAS Almora, 2008	10	1	Yoruba
Soil Science	Soil Health	Promotion of vermicompost application on growth and yield of broccoli Var.KTS-1,	TNAU (2014)	10	0.5	Pfutsero and Phusachodu
	Water Conservation	Low cost water harvesting - Jhalkund,	ICAR Research Complex for NEH Region, Umiam/2012	5	5 units	Pfutsero, Meluri, Phusachodu
	Vermicomosting	Popularization of low cost vermicomposting Low cost Vermibed Waste material and cow dung (60:40) Earthworm species *Eisenia fetida*) MOD: May	AAU (2015)	10	10 units	Upper Khomi, Meluri

		Unit Size: 6x3x1.3 ft,				
Horticulture	Varietal evaluation	Popularization of Onion var. Agrifound Dark Red, **Technology detal:** Spacing:20x10cm Seed rate: 6-8kg/ha Seed treatment with *Trichoderma viride*@ 4g/Kg seed	NHRDF, 2014	8	1	Porba, Yorba Lekromi
	Varietal evaluation	Popularization of French bean var. Arka Arjun, **Technology Details:** Seed rate: 80kg/ha Spacing:30x15cm 2seeds/hill	IIHR, Bengalore, 2012	5	0.5	Gidemi, Phusachodu, Porba
Animal Science	Breed improvement	Popularization of AI technology in pig following synchronization, Source: ICAR NRCO, 2001	ICAR NRCP 2001	5	5 units	Upper Khomi,Rukizu, Thipuzu, Phusachadu
KVK Peren, Nagaland						
Plant Breeding & Genetics	Seed Production	Maize-RCM 76	ICAR-Barapani	65	5	Punglwa, Jalukiekam, Bongkolong, Poilwa, Mhainamtsi, Jalukie and Beisumpuikam
	Seed Production	Toria-TS 67	RARs, Shillongani Assam 2011	20	5	Beisumpuikam New Jalukie
Soil Science	Soil microbes (beneficial)	Application of bio fertilizer in Cabbage Source: **Technology Details:** Azotobacter and PSB @ 7.5g each per 100g of seeds, Vermicompost/FYM 5t/ha +Rock phosphate@ 375kg/ha as per SSP dose, seed rate 600g/ha and spacing 45x45. AAU/ 2015	AAU/ 2015	10	2	Jalukieram, jalukie Town, Nkwareu,Bonkolong
	Vermicomposting	Low Cost Vermicomposting	AAU 2015	10	10 units	Jalukieram, jalukie Town, Nkwareu,Bonkolong
Animal Science	Breed Introduction	Vanaraja poultry for Backyard farming	ICAR-DPR, Hyderabad,	40	100 chicks	Jalukie B, Ngalwa,

			(2000)			Jalukie, Deukwaram, Mhainamtsi
	Rabbit	Rabbit farming (Soviet Chinchilla/ New Zealand white)	ICAR, Barapani (2006)	10	20 kits	Deukwaram, Jalukie town
KVK Tuensang, Nagaland						
Agronomy	Cereal Production	Enhancing Rice production through improved Technology, **Technology details** Variety: Tripura Gomati Rice Production condition: Rainfed & Irrigated. Characteristic Maturity**:** Medium duration (125-135 days)	ICAR-Tripura 2012 (SVRC)	10	5	Noklak village
	Oilseed Production	Rice-Vegetable (no till) for irrigated condition under Organic Management system, **Technology detail** Variety: Rice: Pusa Sugandh-5 Vegetable: Swarna Tripti (Snow Pea) Characterstic- * Rice-Vegetable under no till condition *Recommended for Eastern Himalayan Zone Production condition: Irrigated TRC	ICAR-National Organic Farming Research Institute, Tadong, Gantok, 2015	10	5	Chingmelin village
Horticulture	Production Technology	Promotion of nutritional garden for household nutritional security **Technology Details:** Sowing time: Aug-Sept-Nov Rabi crops: Radish, Garden pea, Carrot, Chilli, Tomatoes, Lettuce, Broccoli, Cabbage, Legumes, KnolKhol, Onion, Mustard, Cauliflower, Spinach, Kholar, Pakchoi, Chinese Cabbage,	ICAR-IIHR, Bengaluru, 2019	2	2 units	Sangsangyu Village &Kuthur Village

		Feenugreeketc Perennial fruit trees: Gauva, Aonla, Custard Apple, Drumstick, Papaya, Pineapple, Tapioca, Banana, etc Area: 525sq.m Dimension: 37.5mx14.0m Number of plots- 24 nos. **Size:** 5m x 2m for growing different seasonal vegetables, medicinal and spice crops in plots and fruit trees at the periphery of the plots.				
	Production Technology	Cultivation of French Bean variety Arka Arjun, **Technology Details:** Sowingtime**:** August-September Seed Rate: 50 kg/ha Spacing: 50 x 10 cm Disease management: Seed treatment with *Trichoderma viridi* Manuring-Well decomposed FYM + *Trichoderma Herzianum* + *Azotobacter*and PSB@ 1 kg/tonne FYM, moistened with sprinkling water and covered with plastic sheet and incubated for 15 days Pest management: Use of trap strips, Neem oil @ 5% Potentialyield: 17t/ha	ICAR-IIHR, Bengaluru, 2019	2	10	Langa and Kuthur Village
Plant Breeding and Genetics	Varietal evaluation	Popularization of groundnut variety:TG37A,	BARC,2004	3	1	Sangsangnyu, Keshai and adopted village
	Crop diversification	Crop diversification through pea var.Aman, **Technology Details:** Yield: 22-25qt/ha It is large seeded and powdery mildewresistance, tolerant to rust	IIPR, Kanpur,2010	3	2	Keshai, Helipong and Tuensang village
Soil Science	Soil Health	Integrated Nutrient Management in Kholar **Technology detail**	AAU, Jorhat 2015	3	3	Chendang, Kuthur&Chess

		Biofertillizers (Azotobacter + PSB) @ 2kg + vermicompost 1 t/ha incubated for 15 days and N:P:K @ 60: 30:30 kg/ha mixture applied as circular band placement at 10 and 30 DAP				ore
	Soil amendment(Lime/ Others)	Popularization of Green manuring in TRC **Technology Details:** Broadcasting of dhaincha in the TRC field @ 50-60 kg/ha after which dhaincha will be slashed down and incorporated by ploughing it into the soil before sowing transplanting paddy	ICAR research complex for NEHR, Sikkim Centre, Tadong, Gangtok 2008	5	5	Chessore, Tuensang, Hakchang, Maksha, New Chingmei
Plant Protection	Integrated Pest Mgmt	Organic management of insect pests in mustard **Technology Details:** 1.*Bacillus* thuringiensis@2g or ml/lit of water 2.Neem oil @ 3ml/lit of water	ICAR-NOFRI, Tadong, Sikkim 2014	3	2	Sangsomong, Angangba&Helipong village
	Integrated Disease Mgmt	Storage of planting material for effective management of Rhizome Rot of Ginger, 2009 **Technology Details:** 1.Pit of 1×2m² size under shade 2.Spread a 5cm uniform layer of sand at the bottom of pit 3.Treat the ginger planting materials with *Trichoderma* 5g/lit of water for 30 min	College of horticulture, CAU, Pasighat	3	3 units	Kuthur ,&Hakchangvillage
KVK Wokha, Nagaland						
Horticulture	Varietal evaluation	Popularization of organic cultivation of cabbage **Technology Details:** Variety: Golden acre, Wonderball Microbes: Azotobacter and phosphorus solubilizing Bacteria @ 7.5 g each per 100 gm seeds	AAU Jorhat	10	0.2	Wokha Doyang Baghty

		Manuring: Vermicompost @ 5 t/ha + Rock Phosphate @ 375 kg/ha at the time of final land preparation Spacing: 45 X 45 cm Seed rate: 800 g/ ha (10g of seeds should be sown/ m2) Disease management: Clean cultivation and use of copper fungicide Pest management: 1% lemon juice as foliar spray for controlling Diamond Black Moth, Use of trap crop				
	Disease Management	Soft rot management of ginger var. Nadia, **Technology Details:** Hot water treatment @ 47^0C for 30 mins + Trichoderma harzianum + drenching of COC @ 0.3% COC drenching immediately after the onset of disease after removing the infected plants and thereafter 7-10 days interval Seed rate: 1200 kg/ha Spacing: 30X15 cm Variety: Nadia	ICAR-NOFRI, 2013	5	0.5	Elumyo Humtso
	Disease Management	Rejuvenation of citrus orchard **Technology Details:** Age of the plant: 10 years above Pruning of dead branches Manuring @ 650 g urea, 1220 g SSP, 450 g MOP per tree during the month of April and November Application of bordeaux paste during the month April and Sept Spray of bordeaux mixture (1%) and neem oil (5%) for pest and diseases Foliar application of novaluron 10EC @ 0.005% twice at 15 days interval during flushing period	ICAR, 2006 Citrus Research Station, AAU, Tinsukia, 2018-19	3	1	Pongitong Elumyo Hankvu

		against citrus psylaa				
Animal Science	Breed introduction	One unit will be 1 male and 2 females of Rani pig. Piglets will be reared under improved housing, feeding and management practices		3	3 units	Elumyu, New and Wokha villages
	Breed improvement	AI will be carried out with the liquid semen of Hampshire boar using golden AI pig catheter during estrus period		10	10 nos. of animals	Wokha, Chukitong, Koio, New Wokha village
	Low cost Poultry hatchery	The incubator will be made from 2 numbers of bamboo baskets with 3 ft diameter. One basket is used as lid over another basket. The basket used as lid has one hole in the middle in which a 60 W bulb is fixed with a regulator. The bulb is coloured with black paint. The saw dust is used in the basket for keeping the eggs. Both the baskets are covered with blanket for maintaining the temperature. 2 lits. of water will be kept in a steel container in the middle of the lower basket for maintaining humidity. The eggs will be rotated four times daily for maintaining uniform temperature and humidity throughout and observed up to 25 days for hatching		3	3 unit	Sanis and Wokha villages
Home Science	Storage techniques (grains/ fruits/ fishes/ meat etc)	Preservation techniques of Gooseberry, **Methodology:** 1.Selection of farmers T1: Production of gooseberry preserve, candy, squash, sauce, gooseberry-based mouth freshener T2: BC ratio & shelf life study	TNAU, 2013	20	30	Wokha, Yikhum, Longsachung
	Uses of women friendly tools	Improved sickle for harvesting of paddy, **Methodology:**	CIAE Bhopal, 2013	20	20 farmers	Longsachung Yanthamo

	(WFT)	Selection of farmers T1: improved technology demonstrated through FLD T2: Harvesting capacity & no of man days				
Agriculture Extension	Impact Assessment	Formation and Management of FPO **Methodology:** Identification of Village & farmers Selection of village Group discussion Grouping of farmers Parameters: Effect of No. of members in a group Activities or enterprise taken up by the group. Linkage with other groups and organization Market Linkage Increase in Income Linkage with bank	ICAR RC, Umiam, 2018	30	30	Wokha, L. Yanthung, New Wokha Village Koio
	Others	Popularization of round the year oyster Mushroom production	ICAR RC, Umiam, 2013	20	10 units	Yikhum, Niryuo, Chukitong , Longsachung
KVK Zunheboto, Nagaland						
Agronomy	Seed Production	HQPM 1	CCSHAU Karnal 2007	10	5	Aotsakilimi, Phuyu Old, Phuyu New, Litta New
	Seed Production	Aman	IIPR 2006	10	5	Lumithsami, Alaphumi, Lumami, Atoizu
Horticulture	Varietal evaluation	French beans var. Arka Sharath, Source: IIHR, Bengaluru, 2010	IIHR, Bengaluru, 2010	4	0.3	Lumithsami , Shichimi, Litta New, Zaphumi
	Integrated Nutrient Management	Organic sources of nutrients; bio-fertilizers,rock phosphate, FYM, Vermi-compost, Source: AAU, Jorhat, 2015	AAU, Jorhat, 2015	4	0.3	Lumami, Shichimi,Litta New, Zaphumi
Plant Protection	Integrated Disease Mgmt	Popularization of different technologies for ginger rhizome rot Storage of planting material	CAU, Pasighat, 2009	3	2sq.m	Zaphumi

		for effective management of rhizome rot of ginger. **Technology Details:** Pit of 1 X 2m under shade • Uniform spread of 5cm sand at the bottom of pit • Treatment of rhizome with *Trichodermma*@5g/lt of water for 30 minutes • Biofor				
	Product evaluation (Efficacy)	Popularization of yellow sticky trap and Pheromone trap for leaf folder management in paddy, **Technology Details:** **(***Placing of yellow sticky traps @8 traps/1000sq.m in paddy field at plant height during tillering stage *Pheromone trap)	TNAU, Coimbatore	3	1	Lumami
Animal Science	Feeding management	Demonstration of Mineral mixture (Minerex Forte) Supplementation in Pig feed	Technology Inventory for Livestock and poultry production in NEHR,2008	5	-	Maromi, Lumami, Zaphumi B, Setemi
	Healthcare	Popularization of Routine De-worming of Poultry Using Broad Spectrum Anthelmintic (Fenbendazole/ Albendazole)	Technology inventory for livestock production for NEHR ICAR , Meghalaya 2008	5	-	Maromi, Setemi, Litta Old Lumami, Zaphumi new
Home Science	Processing & value addition of Bamboo shoot	Preservation techniques of Bamboo shoot	Barapani,2010	4	-	Litta New, Akuluto, Pokobo
	Processing & value addition of Tapioca	Cake preparation from tapioca flour	CIPHET, Ludhiana,2006	4	-	Litta old, Alaphami, Aotsakilimi
Agricultural Extension	Benchmark Survey (PRA etc)	Participatory method		2	2	
	Technology Backstopping	Performance of different group size of SHG on income generation		3	1	
KVK Dhalai, Tripura						

Agronomy	Production technology	Paddy Variety Gomati with SRI technology	ICAR, Tripura Centre	20	62.5	East Dolucherra,
	IPM	IPM in Brinjal for control of Fruit & Shoot bores, Use of Pheromone trap @ 40 nos./ha along with recommended package of practice	ICAR, Tripura Centre	10	31.25	Dabbari
KVK Gomati, Tripura						
Agronomy	Popularization of local scented rice Paddy-Black Rice	1. Pure line selection from local aromatic rice. 2. Suitable for Rain fed shallow low land 3. Semi dwarf , resistant to blast, brown spots and sheath rot 4. Seed rate 40Kg per Ha. (Transplanted) 5. Spacing 20 Cm x 20 Cm 6. Age of Seedling 20-22 days 7. NPK 80:40:40 Kg/Ha 8. Bio- Fertilizer 3 strain Azotobactor/ Azospirilliu, PSB & KMB @ 4 Kg Per Strain. 9. Av. Yield 2.5 - 3.5 M.T. / Ha.	SARS, A.D Nagar,Agartala, Tripura 2003	20	01	On Farm
	Cultivation of HYV Paddy all-round the season	1. Suitable for rainfed shallow lowland and irrigated land in Kharif season, medium slender grain with very good cooking quality, completely free from chalkiness. 2. This rice variety is suitable to be grown in both the season, Kharif and Rabi 3. Seed rate- 6 to 10 kg/ha (SRI) 4. Sowing time: Nursery bed (2^{nd} week of June) 5. Transplanting(1^{st} week of July) 6. Spacing:- 25cm x 25cm	ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, 2013	15	112	1. Bagma 2.Dudhpuskarani 3. Paharpur 4.Bramachara 5.Kurma 6.Rajkang 7.Bumpur 8.Lalgiri 9.Birganj 10.West dalak 11.Burburia 12.Malbasha 13.West Duluma 14.ANP 15.Ompi

		7. Nutrient Management-Recommended N:P:K - 80:40:40, Bio fertilizer – 4 kg/ha, Zinc – 15 kg/ha, FYM – 10 MT/ha or Soil test based application 8. production of 5.8 - 6 MT/ha				
	Popularization of Mustard Var. YSH - 401	1. The yield is 10-12 q/ha in timely sown **crop** and 7.01 q/ha for late sown upto December. TS-46 Duration of the variety is 90 days. ... It is a bold seeded type with a potential yield of 16-17 q/ha. **YSH-401** It is a bold seeded, high yielding variety, semi dwarf in nature 2. There are two treatments, Viz. Plant caged with bee hive (BP) and Plants kept open to all pollinators (OP) Bee box will be kept till completion of flowering	PB Unit SARS A.D Nagar,Agartala, Tripura	01	04	1. KVK farm 2. Rangamati 3. Birganj 4. Rangkang
	Popularization of Colocasia local Variety	Spacing 45 cm in furrow to a depth of 2.5-7.5 Cm 20-25 tone of FYM, NPK 20:30:60 Kg/ha. As basal dose and 20:30:60 after 45 days of Planting Weeding to be done within 45-60 day after planting AV Yield of 5 tone Corms . / Ha	FPO Bagma	01	0.231	On Farm
	Popularization of Proso Millets Var. GPU -P- 21	1. Proso millet is important minor millet grown in India. The crop is able to evade drought by its quick maturity. Being a short duration with relatively low water requirement, this escapes drought period and, therefore, offers better prospects for intensive	PB Unit SARS A.D Nagar,Agartala, Tripura	01	0.4	On Farm

		cultivation in dry land areas. 2. Seed Rate and Method of Sowing: Prosomillet can be sown by broadcasting or drilling seeds in furrows 3-4 Cm deep. Row to row **distance** should be kept 25 Cm and plant to plant 10 Cm.				
	Popularization of Foxtail Millets var. SiA- 3085	Resistant to blast and downeymildew.Spacing = 25 cm – 10 cm NPK= 40 : 20 : 20 A.V Yield 20-30 Q/ha.	PB Unit SARS A.D Nagar,Agartala, Tripura	02	01	1.Malbasha 2. West Duluma
	Popularization of Finger Millets var. GPU- 48 & var. KMR-340	1. Early, high yield, blast resistant Suitable for summer also Spacing = 25 cm – 10 cm NPK= 40 : 20 : 20 A.V Yield of (Var. GPU – 48) 30-35 q/ha. 2. White ragi variety, especially for confectionary purpose, resistant to blast and blight diseases, tolerant to stem borer and aphids Spacing = 25 cm – 10 cm NPK= 40 : 20 : 20 A.V Yield of (Var. KMR- 340) 30-40 q/ha	PB Unit SARS A.D Nagar,Agartala, Tripura	02	0.4 Ha. (**var. GPU-48)** 0.6 Ha. **(var. KMR-340)**	Rangamati West Duluma
	Popularization of Arhar Var. ICPL- 11255 & ICPL-87119	1. Soils/areas: All types of soils with good drainage. Saline soils are not suitable. 2. Land preparation : Land should be prepared to fine tilth by ploughing 2 to 3 times followed by harrowing. 3.Seed rate : Medium duration varieties : 5-10 kg/ha Short duration varieties : 15-18 kg/ha depending on type of soil Rabi : 12-15 kg/ha 4.Spacing : Medium duration	PB Unit SARS A.D Nagar,Agartala, Tripura	02	11	Paharpur Tatuibari

		varieties : 150 to 240 x 20 cm (depending on soil type) Short duration varieties : 90 x 20 cm (black soils) or 60 x 20 cm (light soils) Rabi : 45-60 x 10 cm rainfed: 90 x 10 cm under ID condition 5.Sowing/planting :Kharif : 15th June – August. Rabi : September 20th to October 20th 6.Manures and fertilizers :Kharif: Apply 20 N + 50 P2O5 kg/ha as basal dose. Rabi: 20 kg N and 50 kg P205/ha as basal+ 20 kg N as top dressing at 25 DAS 7.Intercultivation : Twice at 20 and 30 DAS 8.Weed Control : Spray pendimethalin at 2.5 to 3.5 lt/ha immediately after sowing or the next day to check the weed growth for the first 20-25 days (or) spraying of imazithapyr 750-800 ml at 25-30 DAS followed by intercultivation at 50-55 DAS.				
	Popularization of Maize Var. PKC8181 (IR 8004) & VMH -45	VMH -45 –This variety has been developed from the cross 373 X 390.It is the stay green trait. It has long Cylindrical cobs with good husk cover and bold green (AV 1000- Grain weight is 335 g). Plant height 200-205 cm. It is an early maturing (85-90 Days) High Yielding (50-55 q/ha.) Owing to their short duration, these Hybrids can fit into various Maize – based cropping systems prevalent in he Country	PB Unit SARS A.D Nagar,Agartala, Tripura	02	01	1.paharpur 2.Tatuibari
KVK Khowai, Tripura						
Agronomy	Varietal evaluation	Popularization of Sesamum var. Tripura Siphing **Technology details**:	ICAR Research complex for	40	10	Adopted Village

		Seed rate:4 kg/ha Spacing:30X10 NPK and Other Nutrients: As per soil test report	NEH region, 2014			
		Popularization of Toria var. Tripura Toria Technology details: Seed Rate: 7 kg/ha NPK and other nutrients: As per soil test Report	ICAR Research complex for NEH region, 2014	40	10	Adopted Village
Soil Science	Soil amendment (Lime/ Others)	Popularization of Lime on improving soil fertility status and on improving the yield of Maize **Technology details:** 10% Actual LR+RDF+ Application of PSB+ Mychoryza as seed treatment+ FYM (2 ton/ha) (Assessed in 2017-18)	ICAR Research Complex for NEH Region, 2012	20	5	Adopted Village
Horticulture	Higher nos. Of male flower	Assessment on application of Boron And Ethrel on Vegetative and fruit Character of Bottle Gourd **Technology Details:** T1: Spraying of Ethrel 100 ppm at 2 and 4 true leaf stage along with the seed Soaking in boron (0.05%) for 12 hours T2: Farmers Practice	Birsa Agricultural University, Jharkhand, 2014	10	0.4	Adopted village
	Quality planting material	Cultivation of ginger through Raising Seedlings. **Technology Details:** Treat the selected Rhizome with manconzeb (0.3%) and Quinolphos(0.075%)for 30 min, Cut the single bud with small piece of rhizome weighing (4g) Treat the single bud sprouts (mancozeb 0.3%, 3g/l of water 30 min) before planting fill the pro trays with nursery (sand, soil, vermicompost @1 :1:1) and trichoderma 10 g /kg Plant the ginger bud sprout	IISR	10	0.40	Adopted village

		in pro-trays Seedling will be ready within 30-35 days within transplanting (Assessed in 2016-17 and 2017-18)				
Plant Protection	Integrated Pest Mgmt	Management of fruit fly in bitter gourd Pheromone traps @ 25 trap/ha + Gur based poison bait trap: (50 ml malathion + 200 g gur + 2 litre water).	CCSHAU, 2014	10	2	Adopted villages
	Beekeeping	Popularization of beekeeping in Enhancing Yield of Mustard	AICRP on Honey bee & Pollinator, 2017	5	2	Adopted villages
Agricultural Extension	Impact Assessment	Effect of integrated Duck cum Fishery on the income level of the farmers	Own	70		Khowaidist
	Adoption effect	Identification of the adoption rate of successful technologies beyond the NICRA village	Own	100		Khowaidist
Home Science	Drudgery in back pain, fatigue, milk lost, lack of work efficiency etc.	Technology intervention undertaken: Constructed movable protected milking stand and sitting stool.	AICRP, Family Resource management, college of Home Science, MKV of Technology Parbani, Maharastra,2014	10	10	Adopted village
	Post Harvest Processing/ Value Addition: Storage, processing, preservation and value addition and marketing during peak season	Technology Intervention Undertaken: Jackfruit chips preparation **Technology Details:** T1: Jackfruit chips preparation with blanching in hot water with 1% KMS for 5-6 minutes T2: Jackfruit Chips preparation without blanching	ICAR- RC, Barapani	10	10	Adopted village

Animal Science	Housing	Piglet Soothe Snooze Deck to reduce the mortality in piglets due to hypothermia and crushing injury by the dam (Made of Alluminium Sheet & Bamboo)	TANUVAS, 2016	10		Adopted Village
	Others (Pl. specify)	Creep Feeder for Piglets(Aluminum Tray)	TANUVAS, 2016	10		Adopted Village
Fishery	Diversification of fish species	Popularizing polycultuture of Giant fresh water prawn (*Macrobrachiumrosembergii*) with carps. **Technology Details:** IMC to be stock @ 8000 nos./ha. And prawn seed @ 2000 nos./ha. Feeding with artificial balanced diet, culture period 10 months.	CoF, CAU, 2008	4	0.32	Adopted
	Pond Management	Introduction of yearlings/ advanced fingerlings based carp culture for doubling farmer's income. Stocking density @ IMC & Exotic carp 10000 nos. ha. Application of lime 400 kg/ ha Feeding @ 3% of total weight of fish biomass.	CoF, CAU, 2008	4	0.32	Adopted village
KVK North Tripura, Tripura						
Agronomy	Varietal performance	Popularization of low neuro toxin variety of Lathyrus Var. Ratan **Technology Details:** Lathyrus Var. Ratan Avg. Yield (Ratan) – 15 Q/ha, Low ODAP, Tolerant to downy mildew and moderately resistant to powdery mildew.	IGKVV, Raipur,	20	5	Jayoshree, Damcherra, Panisagar, jalebasha
	Varietal performance	Popularization of finger millet, var. KMR-340. **Technology Details:** N:P:K – 40:20:20Spacing – 20X10 cm, Sees rate – 15 kg/ha Popularization of finger	AICRP on Small Millets,Zonal Agricultural Research Station, V.C.Farm,	10	3	Singharmbari, Madhuban,jayo shree, panisagar

		millet, var. KMR-340 (Bold & white).	Mandya , 2016			
	Varietal performance	Popularization of HYV Rice– BRRI-75. **Technology Details:** •Seed rate- 6 to 10 kg/ha (SRI) •Sowing time: Nursery bed (2nd week of June) •Transplanting(1st week of July) •Spacing:- 25cm x 25cm •Nutrient Management- Recommended N:P:K - 80:40:40, Bio fertilizer – 4 kg/ha, Zinc – 15 kg/ha, FYM – 10 MT/ha or Soil test based application	SARS, AD Nagar, 2018	20	5	Jubarajnagar, Kadamtala, Jayoshree, Panisagar, jalebasha
Horticulture	Integrated Nutrient Management	Foliar spray of Boron on yield and quality of broccoli (*Brassica oleracea* var. italica) cv. Pusa KTS-1/ Suitable available var **Technology Details:** Treatment boric acid @ 0.40% along with control. First spraying of broccoli plants was done on 25^{th} day of planting and subsequently 2^{nd} and 3^{rd} at 45^{th} day and 65^{th} days after transplanting	BHU, 2018	10	1.6	Kadamtala , Panisagar, Jubrajnagar
	Integrated Farming System/ Integrated Crop Management	TPS to Tuberlet production for seed potato for Next year - TPS var. HPS II/ 67 (Double Row System **Technology Details:** The spacing maintained was 12 cm X 4 cm X 25 cm (Row to row – 12 cm (5 inch), two row to two row – 25 cm (10 inch) and Seed to seed – 0.5 cm (0.20 inch) instead of recommended Spacing = 10 cm X 4 cm X 25 cm.	HRC Nagicherra 2011	20	3.2	Kadamtala , Panisagar, Jubrajnagar
Fishery Science	Fish Polyculture	Popularizing Polyculture of Giant Freshwater Prawn	COF, Agartala	20	3.2	Uptakhali Kadamtala

		(Macrobrachiumrosenbergii) with carps. **Technology Details:** • IMC to be stocked @ 8000 nos./ ha & F.W. Prawn seed @ 2500 nos./ha • Feeding with artificial balanced diet @ 3% of body wt. • Culture period 10 months, 3% of body wt. • Culture period 10 months.	2014.			Jubarajnagar
	Integrated Farming System/ Integrated Crop Management	Integrated Pig cum fish culture. Pig var.- Large White Yorkshire. Fish- IMC **Technology Details:** • Carp Fingerling to be stocked @ 10000 nos./ ha • 2 Piglets/demo. • Culture period 10 months, Feeding with balanced diet @ 3% of body wt.	AAU, Jorhat, 2008	5	2	Balidhum ADC village Baithangbari
Animal Science	Breed popularization	Popularization of meat purpose poultry CARI BRO DHANARAJA	CARI, 1992	20	20 units	Panisagar, Kadamtala
	Fodder production and quality enhancement	Popularization of Guinea Grass as a fodder crop. Var.- BG-2	IGFRI Jhansi 2008	20	20 units	Panisagar, Kadamtala
	Fodder production and quality enhancement	Popularization of Bajra Hybrid Napier var. CO - CN – 4	TNAU, 2012	20	20 units	Panisagar, Kadamtala, Jubarajnagar
KVK South Tripura, Tripura						
Plant Protection	Integrated Pests Management	Evaluation of Bio pesticides in management of Soil insect in Potato **Technology Details:** T_1: Metarhizium @ 10kg with 500kg vermicompost in	AAU, 2015	20	2	Jolaibari and West Pilak

		soil T_2:Farmers practise (Control) Parameters: Infestation %, Plant population, yield, B:C ratio				
	Integrated disease Management	Organic management of Leaf blight in Maize **Technology Details:** T_1:Seed treatment with *T. harzanium*@ 2%, T_2:Farmers practise (Control) Parameters: Infection %, Germination %, yield, B:C ratio	CH&F, CAU, Pasighat, AP, 2013	20	1.5	Devipur, Kolsimukh
Soil Science	Soil management	Introduction of quality protein maize (var. HQPM-1) in Rice-maize cropping sequence.	ICAR, 2018	25	1.5	South Tripura
		Utilisation of rice fallow through introduction of High Yielding variety of Indian mustard (NRCHB-101)	DRMR, 2013	15	5.0	South Tripura
	Soil health	Popularisation of Low Neurotoxin Containing Lathyrus Variety (*Mahateora*) as Paira Crop in Rice Growing Areas of South Tripura District	IIPR, 2016	10	1.0	South Tripura
Animal Science	Nutrition management	Popularization of urea molasses mineral block (UMMB) supplementation in dairy cattle. Parameters: THI, Avg. weakly body temperature, Fortnightly body weight up to weaning (56 days), Mortality rate, Economics	ICAR (RC) for NEHR 2012	18	-	Ramraibari, North Jolaibari, Maichara
	Feeding management	Popularization of Azolla feeding in dairy cattle. Parameters: Milk production, Fat % & SNF % in milk, Economics	ICAR (RC) for NEHR (2014)	12	-	Kalsimukh village and Maichara
Fisheries	Integrated Fish farming	Demonstration on fishery based Livestock integrated modules for farming	ICAR for NEHR	25	2.5	South Tripura

		diversification **Technology Details:** Fish-cum-pig: Pig: 25-30 nos./ ha pond Fish-cum-duck: Duck: 250-300/ ha pond Fish-cum-poultry: Poultry: 450-500/ ha pond Fishery: IMC: 7500 nos./ ha Farmer's practice: Conventional Grow-out Carp CultureNo. Demo**:** 09 (3+3+3) and Farmers practice: 6 Parameters:Production of Fish (Kg), Production of Livestock, Comparative economics of three IFS modules				
	Species diversificaiton	Demonstration on grow out technology of Amur carp in Composite Fish Culture No. of Demo: 25 **Technology Details:** Catla: Rohu: Amur carp (30:40:30), Stocking: 7500 nos./ha Farmer's practice: Conventional Grow-out Carp Culture (Catla: Rohu: Mrigal:: 30:40:30)Stocking: 7500 nos. / ha Parameters: Species wise production of fish (Kg), avg. length & weight during stocking harvesting, Economics	ICAR for NEHR	9	4.0	South Tripura
	Pond Management	Seasonal management of water quality through optimum application of lime No. of Demo: 50 **Technology Details:** Seasonal requirement of lime would be calculated based on water quality analysis and effective application of lime would be demonstrated Parameters: Water pH, Hardness, Ammonia and other related water quality	ICAR for NEHR	50	4.0	South Tripura

		parameters				
Home Science	Energy saving tools/ devices	Popularization of revolving milking stand and stool	AICRP, FRM, MKV , Parbhani, Maharashtra, 2015	10		South Tripura
	Storage techniques (grains/ fruits/ fishes/ meat etc)	Utilization of low cost solar dryer for preservation	2015	10		South Tripura
KVK Sepahijala, Tripura						
Agronomy	Integrated Nutrient Management	Popularization of Integrated nutrient management in Mustard/Toria **Technology Details:** Seed rate: 10 kg/ha Types of sowing: Broadcasting Sowing time/planting time: Mid October to end of November Duration (Days): 90-95 days Adaptation: *Rabi* Critical inputs required: Seed, Fertilizers, Azotobacter and PSB	RARS, Shillongoni, Nagaon, AAU, Year of Release 2015	3	2	Chickoncherra/ Suturmura/Lati acherra/bishra mganj/Golagha ti/charilam/jam puijala/Bishalg arh
		Popularization of Zinc management in low land Rice-Rice cropping system. **Technology Details:** Seed rate: 50 kg/ha Spacing: 20 cm x 10 cm Fertilizer and Manures: FYM 2 ton/ha Zinc 25 kg/ha requirement : 60:40:40 kg/ha Sowing time/planting time : June-July Critical inputs required : zinc sulphate fertilizer	RARS, Titabor, AAU, Year of Release 2015.	3	2	Chickoncherra/ Suturmura/Lati acherra/bishra mganj/Golagha ti/charilam/jam puijala/Bishalg arh
Horticulture	Varietal evaluation	Popularization of Brinjal-TRCSinghnath	ICAR research complex for NEH Region, Tripura Centre,	3	2	Chickoncherra/ Sutarmura

			Lembucherra, **2012**			
	Canopy Management	High Density Planting in Pineapple (Popularization of : High Density Planting in Pineapple **Technology Details:** Variety: Queen Spacing:22.5×60×90 cm Plant population:63,700 per hectare	**Source:** ICAR Research Complex for NEH Region, Tripura centre, 2005	3	2	Chickoncherra
	Others (Improved propagation Technique)	(Popularization of single bud transplanting technique of ginger in SepahijalaDistrict **Technology Details:** T1: Rhizome are cut into small pieces of 5-6g containing single bud Treatment of single bud sprouts with mancozeb(0.3%) for 30 min before planting Sowing of bud in potrays using growing media(sand:soil:@FYM) in march and kept under polyhouse covering with straw. Transplant in main field after 30-40 days of sowing T2: Conventional planting method@15-20q/ha	IISR, Kozhikode, 2015	4	2	Chickoncherra/ Sutarmura
Plant Protection	Integrated Disease Management	Popularization of oyster mushroom production	ICAR-National Organic Farming Research Institute, 2013	3	3 farmers	Chickoncherra/ Suturmura/Latiacherra
	Others (Mushroom Production)	Popularization oflate blight disease management in Potato Sowing time:	Assam Agricultural University Year of	3	1	Chickoncherra/ Suturmura/Latiacherra

		November 2020 Critical inputs required: Potao tubers, N, P, K, FYM, neem cake, spraying machine, insecticide etc **Technology details:** One spraying of Mancozeb 75% (Indofil M 45 / Dithane M 45) @ 0.25% (2.5 g/Lit) at canopyclosure (35-40 days after planting) and second spraying of Cymoxanil 8% + Mancozeb 64% (Curzet M / Moximate) @ 0.25% (2.5 g/Lit) at first appearance of the disease (if disease appear) and third spraying of Mancozeb 75% (Indofil M 45 / Dithane M 45) @ 0.25% (2.5 g/Lit) after 10 days of second spraying and fourth spraying of Cymoxanil 8% + Mancozeb 64% (Curzet M / Moximate) @ 0.25% (2.5 g/Lit) after 10 days of third spraying against late blight of potato	Release 2015			
Fishery	Seed Production	Popularization of stunted growth fish fingerling for higher production. (Critical inputs: fish spawn, quick lime, MOC dust etc)	College of Fisheries, GBPUA&T, Pantnagar 2017	1	0.40	South Madhupur, Bishalgar R. D. Block, Bishalgarh Sub-division, Latiachera ADC, Jampuijala R. D. Block, Jampuijala subdivision, Sepahijala district
	Varietal evaluation	Demonstration of prawn polyculture with carps for doubling farmers' income. (Pond with sandy soil; Critical inputs: fish seed, prawn juvenile, feed etc)	Central Institute of Freshwater Aquaculture, Bhubaneshwar 2016	1	0.40	South Madhupur, Bishalgar R. D. Block, Bishalgarh Sub-division,

						Sepahijala district
Agricultural Engineering	Evaluation of tools and implements	Popularization of Multicrop Thresher **Technology Details:** • It consists of a spike tooth cylinder, three-aspirators, cleaning sieves and feeding system. • Three concaves made of square bars of different opening sizes are provided for threshing different crops. • It is suitable for threshing of paddy, wheat, maize, soybean, sorghum, sunflower, pigeon pea, mustard and other.	**Source:**CIAE, Bhopal **Year of release:** 2017	3	2	Laticherra/ Chickoncherra/ Sutarmura
	Evaluation of tools and implements	Popularization of Tractor Drawn Rotavator **Technology Details:** • It consists of a steel frame, 3-point hitch system, a rotary shaft on which blades are mounted, power transmission system and a gear box. • A good seedbed and pulverization of the soil is achieved in single pass of the Rotavator. • Rotavator is used as both primary and secondary tillage operations. • It is used in both dry and wet land conditions.	CAU,CIAE, Bhopal, 2003	3		Laticherra/ Chickoncherra/ Sutarmura
Livestock production	Breed Improvement	Popularization of BND poultry breed under backyard poultry farming **Technology Details:** Performance of dual-purpose bird Critical inputs required: Observations to be recorded:	ICAR-NEH Region, Tripura Centre ,*2019	10	10 unit	Nabasardar Para Village, GaganSadar Para Village and Latiacharra

		Age at first laying, Egg production/ annum,Avg. egg Weight, Avg. body weight. (Till 20 Week), Net Return, B:C Ratio and Farmer and consumer preferences.				
	Breed Improvement	Popularization of Cross breed pigs under Local rearing Condition Critical inputs required**:** Crossbreed Pig Observations to be recorded: Growth rate, litter size, marketable weight, B:C ratio, Farmers reaction.	NRC, Pig, Rani, ICAR, 2009	10	10 unit	Nabasardar Para Village and GaganSadar Para Village
KVK West Tripura, Tripura						
Agronomy	Varietal Evaluation	Popularisation of High Yielding Variety of blackgram (Tripura Mashkoloi)	ICAR, Tripura Centre, 2015	15	3 ha	Mohanpur, Lankamura, Biswamunipara
	Varietal Evaluation	Popularisation of high Yielding Variety of kharif rice (Gomati) to replace long duration local varieties	ICAR, Tripura Centre, 2012	15	3 h	Biswamunipara , Brajabashipara, Brigudasbari and Dumtibari
	Varietal Evaluation	Popularisation of Vivek Maize Hybrid - 45 (VMH-45) in Rice-maize cropping sequence of West Tripura district	ICAR, Tripura Centre, 2018	25	5	Saraldaspara, Brajabashipara, Shobhamanipara, Ushabazar
Agricultural Extension	Impact Assessment	Impact assessment on FCI procurement of rice in West Tripura district **Methodology:** Information collection through questionnaires Parameters: i. Income ii. Profit		50	50	Jirania, Belbari and mandai
	Others	Adoption study of gomati rice cultivation in West Tripura district **Methodology:** Information collection through questionnaires Parameters: i. Rate of adoption		50	50	Belbari

		ii. Technology gap iii. Extension gap iv. Horizontal spread				
KVK Unakoti, Tripura						
Agronomy	Production Technology	Popularisation of cultivation of HYV paddy (var-Gomati) through SRI to replace long duration local varieties	ICAR,Tripura centre,Lembucherra(2013)	10	5 ha	Samrurpar,Gournagar, kaulikura ,jalai
	Production Technology	Popularization of Aromatic Black Rice(Var-Kalikhasha)	SARS,Arun-dhutinagar, Tripura 2003	25	10 ha	Rajkandi, Sonaimuri, Jalai, Gournagar, Kaulikura, Bhagaban-nagar
Horticulture	Production of Tuberlet through TPS(hybrid potato)	True Potato Seed to Potato Tuberlet production from TPS (Var.HPS II/67)	Horti Research Complex, Nagicherra,Tripura 2008	5	1 ha	Jalai

III. KVK-wise Details of Training Programmes during 2020

Discipline	Target Group	Title of the training prog. and no. of courses	No. of training prog.	Duration in days	On/ Off campus	Participants						
						SC/ST			Others			Grand total
						M	F	T	M	F	T	
KVK Bishnupur, Manipur												
Agronomy	Farmers & farm Women	SRI method of rice cultivation	1	1	Off	0	0	0	15	5	20	20
		Nutrient management of paddy	1	1	Off	0	0	0	18	2	20	20
		Integrated crop management of soybean and groundnut	1	2	On	5	5	10	5	5	10	20
		Principles and practices of seed storage	1	1	On	5	0	5	5	10	15	20
	Rural Youth	Seed production of paddy	1	1	On	10	5	15	5	0	5	20
	Extension Personnel	Soil sample collection and testing	2	2	On	5	0	5	15	0	15	20
	Farmers & farm Women (Vocational)	Intercropping of cereal and legumes	1	1	On	5	5	10	10	5	15	25
	Rural Youth(Vocational)	Compost making	2	2	On	5	0	5	15	0	15	20
		Soil sample collection and testing	2	2	On	5	5	10	5	5	10	20
Horticulture	Farmers & farm Women	Scientific cultivation methods of kharif vegetables	1	3	On	3	2	5	10	5	15	20
		Scientific cultivation methods of Tomato during rainy season	1	1	Kumbi	-	-	-	9	11	20	20
		Scientific cultivation of high value vegetables for higher return	1	1	Saiton	-	-	-	8	12	20	20
		Organic cultivation methods of Cabbage	1	1	Kwasiphai	-	-	-	20	-	20	20
		Commercial Cultivation practices of Broccoli and tomato	1	1	Off	-	-	-	15	5	20	20
	Rural Youth	Vegetable production in polyhouse	1	2	On	2	0	2	11	2	13	15

		Scientific production and management of Aromatic and medicinal plants	1	2	Off	-	-	-	10	5	15	20
		Production of quality planting materials	1	3	On	5	0	5	8	2	10	20
	Extension Personnel	Scope and Importance of polyhouse for vegetable cultivation	1	2	On	5	2	7	10	13	23	30
	Rural Youth(Vocational)	Commercial cultivation of high value vegetables throughout the year	1	7	On	3	0	3	10	2	12	15
	Rural Youth(Sponsored)	Protected cultivation of high value vegetables	1	7	On	6	0	6	7	2	9	15
Home Science	Farmers & farm Women	Guidance and counseling for successful entrepreneurship.	1	5	On		10	10		15	15	25
		Value addition on seasonal fruits	1	5	On		10	10		15	15	25
		Food safety, Nutrition and immunity during covid-19	1	5	Off		10	10		15	15	25
	Rural Youth	Method demonstration on vegetable pickles.	1	5	On		10	10		15	15	25
		Skill training on rural craft	1	2	On		10	10		15	15	25
		Value added product of black rice	1	3	Off		10	10		15	15	25
	Extension Personnel	Complementary foods and feeding guidelines.	1	5	Off		10	10		15	15	25
		Health benefit of soybean	1	5	Off		10	10		15	15	25
	NGO	Post harvest processing of fruits and vegetables	1	5	On		10	10		15	15	25
	Farmers & farm Women (Vocational)	Training on soybean milk and soya paneer.	1	5	On		10	10		15	15	25
	Rural Youth(Vocational)	Post harvest technology and packaging of black rice.	1	5	On		10	10		15	15	25
		Hand on training (papap making)	1	5	On		10	10		15	15	25
	Extension Personnel (Vocational)	Life skill education for social harmony	1	5	On		10	10		15	15	25
Fisheries	Farmers & farm Women	Basic engineering for freshwater fish farms	1	3	On	-	-	-	15	5	20	20
		Planning of fresh water fish hatchery	1	3	Off	-	-	-	15	5	20	20
		Carp production in ponds	1	3	On	-	-	-	15	5	20	20

		Poly culture and integrated tilapia culture	1	3	Off	-	-	-	15	5	20	20
	Rural Youth	Introduction to Bio flock fish farming	1	3	On	4	1	5	14	1	15	20
		Crop-fish-livestock production systems	1	3	Off	5	-	5	15	-	15	20
		Farm based Fish feed manufacturing	1	3	Off	-	-	-	15	5	20	20
		Basic ornamental fish farming	1	3	On	5	-	5	15	-	15	20
	Extension Personnel	Fishery in natural waters	1	3	On	-	-	-	10	5	15	15
		Fish Processing, marketing, economics in fisheries development	1		Off	-	-	-	10	5	15	15
	Farmers & farm Women (Vocational)	Model integrated fish farming	1	3	On	-	-	-	10	-	10	10
Plant Protection	Farmers & farm Women	Plant protection equipment's and classification	1	2	On	-	-	-	15	5	20	20
		Insect pest of rice and their management	1	2	Off	15	5	20	-	-	-	20
		IPM on cabbage.	1	2	On	-	-	-	15	5	20	20
		IPM on potato.	1	2	Off	15	5	20	-	-	-	20
	Rural Youth	Mushroom cultivation.	1	2	On	-	-	-	15	5	20	20
		Beekeeping	1	2	Off	15	5	20	-	-	-	20
	Extension Personnel	Income generation through mushroom cultivation.	1	2	Off	15	5	20				20
		Insect pest of rice and their management.	1	2	On				15	5	20	20
	Farmers & farm Women (Vocational)	Mushroom cultivation	1	10	On	10	5	15	10	5	15	30
	Rural Youth(Vocational)	Bee keeping	1	10	On	20	10	30				30
Animal Science	Farmers & Farm Women	Feeding management of pigs	1	3	On	3	2	5	10	5	15	20
		Integrated farming of ducks with fish	1	3	On	3	2	5	10	5	15	20
		Important diseases of poultry and their preventive measures.	1	3	Off	3	2	5	10	5	15	20
		Scientific dairy farming	1	3	Off	3	2	5	10	5	15	20

	Rural Youth	Piggery farming as a source of income	1	3	On	3	2	5	10	5	15	20
		Important disease of swine and their preventive measures.	1	3	Off	3	2	5	10	5	15	20
		Dairy farming as a source of income	1	3	Off	3	2	5	10	5	15	20
		Scientific feeding of poultry birds.	1	3	On	3	2	5	10	5	15	20
	Extension Personnel	Management of poultry disease	1	3	On	3	2	5	7	3	10	15
		Disease management in dairy farms	1	3	Off	3	2	5	7	3	10	15
	Farmers & farm Women (Vocational)	Important disease of animals and birds and their preventive measures.	1	5	On	3	2	5	10	5	15	20
	Rural Youth(Vocational)	Piggery farming as a source of income for rural youths	1	5	Off	3	2	5	10	5	15	20
Agriculture Extension	Farmer and Farm women	Training on Line Transplanting of Rice	2	1	Off	10	5	15	10	5	15	30
		Contract farming an approach for transforming traditional farming	1	1	On				15	5	20	20
		Vermicompost production technology and its importance	1	3	On	20	0	20				20
	Rural Youth	Opportunities and Challenges in Rural Marketing	1	1	On		10	10				10
		Strategies for linking farmers to market	1	1	Off				10		10	10
		Importance and formation of Farmers' club	1	1	Off	15	0	15				15
		Importance of Kisan Credit Card for sustainable agriculture for Resource poor farmers of Bishnupur district	1	1	On	10		10	10	10	20	30
	Extension Personnel	Concept of Market-Led Extension including Market Intervention	1	1	On	10		10				10
		IFS- A Key to Sustainable Livelihood in Agriculture	1	1	On				10		10	10
		Importance of soil collection for testing	2	2	Off	10		10	20		20	30
KVK Chandel, Manipur												

Agronomy	Farmer and Farm women	Scientific cultivation practices and integrated weed and nutrient management of improved varieties of paddy and maize	1	3	On	10	10	20				20
		Production and management of kharif oilseeds and pulses like soybean, groundnut, black gram and rice bean	1	3	Off	10	10	20				20
		Rabi oilseeds and pulses in rice fallow system through use of conservation agriculture practices	1	4	On	10	10	20				20
		Integrated farming system for increasing the farmers income	1	4	Off	10	10	20				20
	Rural Youth	Organic farming an option in mitigating climate change	1	3	On	10	10	20				20
	Extension Personnel	Enhancement of livelihood security through adoption of Integrated farming system	1	3	On	10	10	20				20
	Farmers & farm Women (Vocational)	Mushroom cultivation	1	5	Off		20	20				20
	Rural Youth (Sponsored)	Organic Grower	1	7	On	10	5	15				15
Horticulture	Farmer and Farm women	Production technology of brinjal	1	2	Off	15	10	25				25
		Package & practices for cassava	1	1	Off	10	15	25				25
		Cultivation of practices of okra	1	1	On	15	10	25				25
		Orchard management	1	3	Off	16	9	25				25
		Cultivation of wild coriander	1	1	On	10	10	20				20
		Production technology of bottle gourd	1	1	Off	15	10	25				25
		Improved production technology of cabbage	1	1	On	15	10	25				25
		Processing & curing of turmeric	1	2	On	15	10	25				25
	Rural Youth	Organic package of practices for Cabbage	1	1	On	15	10	25				25
		Package & practices of beetroot	1	1	Off	15	10	25				25
	Extension Personnel	Cultivation practices of broccoli	1	1	On	15	10	25				25
		Improved production technology of carrot	1	1	On	10	10	20				20

Home Science	Farmer and Farm women	Scientific cultivation practices and integrated weed and nutrient management of improved varieties of paddy and maize	1	3	On	10	10	20				20
		Production and management of kharif oilseeds and pulses like soybean, groundnut, black gram and rice bean	1	3	Off	10	10	20				20
		Rabi oilseeds and pulses in rice fallow system through use of conservation agriculture practices	1	4	On	10	10	20				20
		Integrated farming system for increasing the farmers income	1	4	Off	10	10	20				20
	Rural Youth	Organic farming an option in mitigating climate change	1	3	On	10	10	20				20
	Extension Personnel	Enhancement of livelihood security through adoption of Integrated farming system	1	3	On	10	10	20				20
	Farmer and Farm women (Vocational)	Mushroom cultivation	1	5	Off		20	20				20
	Rural Youth (Sponsored)	Organic Grower	1	7	On	10	5	15				15
Animal Science	Farmer and Farm women	Poultry farming as a source of income generation	1	3	Off	5	15	20				20
		Dairy Farming for doubling farmers income	1	3	Off	15	5	20				20
		Common diseases of livestock & Poultry birds	1	3	Off	10	10	20				20
		Duckery farming for doubling farmers income	1	3	On	5	15	20				20
	Rural Youth	Integrated farming of Duckery/Fishery	1	5	Off	10	10	20				20
		Scope and advantages of piggery farming	1	6	On	10	10	20				20
	Extension Personnel	Feeding of different livestock and poultry birds	1	3	Off		20	20				20
		Vaccination schedule for different livestock and poultry birds	1	3	Off	10	10	20				20

Plant Breeding	Farmer and Farm women	Agro-techniques of producing quality own-saved seed production in Soybean, Groundnut and Maize	1	3	On	10	10	20				20
		Nursery management and Agro-techniques of Improved Rice varieties	1	3	On	10	10	20				20
		Identification of off types and rouging in Soybean, Groundnut & maize and its Plant Protection Measures	1	3	Off	10	10	20				20
		Identification of Off-types and Roguing at Pre-Flowering and post flowering Stage in Own-Saved Seed Production of Improved Rice varieties and its Plant protection measures	1	3	Off	10	10	20				20
		Agro-techniques on producing own saved seed production in Rabi Oilseeds and Pulses and Safe Seed Storage in Rice & pulses	1	3	Off	10	10	20				20
	Rural Youth	Agro-techniques on Seed production of Rabi Maize and pulses	1	3	On	10	10	20				20
	Extension Personnel	Protection of Plant Varieties and Farmers Rights Act 2001	1	3	On	6	4	10				10
	Farmer and Farm women (Vocational)	Seed production on Kharif pulses and Oilseeds	1	5	On	10	10	20				20
	Rural Youth (Sponsored)	Quality Seed Grower	1	7	On	10	5	15				15
Agricultural Engineering/SWCE	Farmer and Farm women	Use of locally available materials for construction of brushwood dams	1	3	On	17	3	20				20
		Economic design of low-cost water harvesting structure	1	3	On	16	4	20				20
		Construction of half moon terraces	1	3	On	20		20				20
		Terrace farming	1	3	On	11	9	20				20
		Construction of contour bunds	1	3	Off	12	8	20				20
		Soil health enrichment through organic means	1	3	Off	11	9	20				20

	Rural Youth	Popularization of agricultural implements in hill agriculture	1	4	On	10	10	20				20
		Soil and water conservation using agronomical measures	1	4	On	12	8	20				20
	Extension Personnel	Economic design of low-cost water harvesting structure	1	3	On	20		20				20
KVK, Churachandpur, Manipur												
Horticulture	Farmers & farm Women	Scientific cultivation of Banana	3	3	Off	15	05	20	-	-	-	20
		Organic cultivation of Cole crops	3	3	On/ Off	10	10	20	-	-	-	20
		Technique of vegetable Nursery raising	3	3	On/ Off	15	5	20	-	-	-	20
		Scientific cultivation of Onion	3	3	On/ Off	10	10	20	-	-	-	20
	Rural Youth	Rejuvenation technique of Citrus decline Orchard	3	3	Off	15	5	20				20
		Generation of more income through off season vegetable cultivation	3	3	On	10	10	20				20
	Extension Personnel	Propagation Techniques of Fruit crop (Orange)	1	1	On	10	5	15	5		5	20
	Rural Youth (Sponsored)	Nursery management	7	7	On	10	5	15				15
Plant Protection	Farmer and Farm women	Pests and disease management on kharif vegetable crops	3	3	Off	15	5	20				20
		Integrated pest management of Maize	3	3	On	15	5	20				20
		Integrated diseases management in nursery	3	3	On	15	5	20				20
		Year round Mushroom Production	3	3	On	15	5	20				20
	Rural Youth	Beekeeping	3	3	On	15	5	20	3	1	4	24
		Organic Mushroom Production techniques	3	3	Off	4	12	16	2	4	6	22
	Extension Personnel	Integrated pests & disease management of fruits and vegetable crops	3	3	On	10	3	13	6	6	12	25

Animal Science	Farmer and Farm women	Poultry disease control	3	3	Off	15	5	20				20
		Backyard poultry farming	3	3	Off	15	5	20				20
		Duck production	3	3	On	15	5	20				20
	Rural Youth	Dairy cattle production	3	3	Off	15	5	20				20
		Kadaknath poultry production	3	3	On	15	5	20				20
		Pig production	3	3	Off	15	5	20				20
	Extension Personnel	Bokashi piggery	3	3	On	10	10	20				20
Fisheries	Farmer and Farm women	Composite fish culture	3	3	Off	20		20				20
		Fish seed production	3	3	On	20		20				20
		Integrated Pig cum fish farming	3	3	Off	15	5	20				20
	Rural Youth	Fish breeding technique	3	3	Off	15	5	20				20
		Pen and cage culture	3	3	Off	20		20				20
		Ornamental fisheries	3	3	On	15	5	20				20
	Extension Personnel	Aquaculture and health management	3	3	On	20		20				20
	Farmer and Farm women (Sponsored – NFDB)	Freshwater carp culture	1	3	On	35	15	50				50
		Integrated fish farming	1	3	On	35	15	50				50
	Rural Youth (Sponsored – NFDB)	Quality fish seed production	1	3	On	35	15	50				50
		Composite fish culture	1	3	On	35	15	50				50
Home Science	Farmer and Farm women	Importance of food diversification for healthy growth of young children	3	3	Off		20	20				20

		Processing and preservation of seasonal vegetables	3	3	Off		20	20				20
		Preservation technology of fruits	4	4	On	5	20	25				25
	Rural Youth	Value addition of underutilised fruits (Jackfruit, Heiyai and Heimang or wild varnish tree)	5	5	Off		25	25				25
		Jackfruit chips making	1	1	Off		10	10				10
		Diversified value added product from scented rice	3	3	On		20	20				20
	Extension Personnel	Diversified value added product from Soybean	2	3	On	10	10	20				20
	Rural Youth (Vocational)	Craft from cane and bamboo	5	8	Off	6	14	20				20
	Rural Youth (Sponsored – STRY)	Post harvest technology of fruits and vegetables	3	7	On	5	15	50				20
Agro-forestry	Farmer and Farm women	Cultivation of Red gram in abandoned Jhum land under Agri-silvi farming system	3	3	Off	15	10	25				25
		Cultivation of soybean in abandoned Jhum land under Agri-silvi farming system	3	3	Off	18	7	25				25
		Plantation of broom grass in abandoned Jhum land.	3	3	Off	13	12	25				25
		Agro-forestry for sustainable livelihood and improved land management	3	3	On	15	10	25				25
	Rural Youth	Livelihood improvement of Jhumias through Integrated farming system	3	3	On	13	12	25				25
		Trees and shrub species suitable for hedgerow intercropping	3	3	Off	15	10	25				25
	Extension Personnel	Management of AGF system for enhancing resource use efficiency and crop productivity	3	3	On	14	6	20				20
Agricultural Extension	Farmer and Farm women	Food security in a pandemic	3	3	Off	10	10	20				20
		Farmers club and technology transfer	3	3	Off	10	10	20				20

	Rural Youth	Group dynamic and leadership development	3	3	Off	10	10	20				20
		Entrepreneurship and rural youth	3	3	Off	10	10	20				20
KVK Imphal East, Manipur												
Agronomy	Farmer and Farm women	Intercropping of maize and pulses	1	2	Off				20	5	25	25
		Importance of soil testing in crop production and demonstration on soil sample collection and preparation for analysis	1	4	Off	15	5	20	60	20	80	100
		Improved package and practices for rice cultivation (SRI and ICM) and integrated management of insect pest and diseases	1	4	Off				15	10	25	25
		Improved packages & practices for cultivation of kharif oilseeds and pulses and their plant protection measures	1	4	Off	15	5	20	7	3	10	30
		Improved packages & practices for cultivation of rabi oilseeds and pulses and their insect pest and disease management practices	1	4	Off	12	8	20	11	9	20	40
Horticulture	Farmer and Farm women	Nursery management & techniques of Horticultural crops	1	3	On	11	6	17	5	3	8	25
		Off season production technology of vegetable crops	1	3	Off	12	4	16	5	4	9	25
		Income generation through flower cultivation	1	3	Off	3	11	14	2	9	11	25
		Production technology of bulbous vegetable crops (onion, garlic, chives)	1	4	Off	15	5	20	5		5	25
	Rural Youth	Cultivation of important horticultural crops under protected condition	1	4	On	16	3	19	6		6	25
		Scientific cultivation of high value low volume crops	1	4	Off	8	2	10	6	4	10	20
Plant Protection	Farmer and Farm women	Integrated pest management ok King Chilli cultivation and its value chain management	1	3	On	15	3	18	5	2	7	25

		Insect pests and diseases of Potato and their management	1	3	On	14	5	19	6		6	25
	Rural Youth	Insect pest and disease management of French Bean	01	3	Off	17	5	22		3	3	25
		Insect pest management in garlic and onion	01	3	On	12	11	23	3	4	8	31
		Insect pest management of tomato and its management	01	3	On	12	3	15	8	2	10	25
		Scientific mushroom cultivation and its value chain management	1	4	Off	15	3	18	5	2	7	25
Fisheries	Farmer and Farm women	Scientific fish farming of fresh water aquaculture	1	4	Off	13	5	18	7		7	25
		Biofloc system fish farming	1	4	Off	15	5	20	5		5	25
		Pre and post stocking management of fish farming	1	4	On	15	5	20	5		5	25
		Management of fish disease and its control measures	1	3	Off	12	5	17	8		8	25
	Rural Youth	Biofloc system fish farming	1	4	Off	12	3	15	8	2	10	25
		Nursery & rearing pond management for fish seed production	1	4	Off	15	5	20	5		5	25
		Integrated fish farming	1	4	On	15	5	20	5		5	25
Home Science	Farmer and Farm women	Mushroom cultivation and its value chain management for enhance income generation	01	3	On	05	20	25				25
		Utilization and value addition of soybean for nutritional and income generation purpose	01	4	On	05	20	25				25
	Rural Youth	Post harvest management and value addition of fruits and vegetables	01	04	Off				10	15	25	25
		Preparation of value added jackfruit products for income generation	01	03	Off				10	15	25	25
		Preparation of value added products of aromatic black rice	01	03	On					25	5	25

		Extraction of banana fibre and its utilization into value added products	01	04	On		10	10		15	15	25
Agricultural Engineering	Farmer and Farm women	Increased productivity and production through Farm mechanization (seed drill, reaper, drum seeder etc.)		3	On	20	5	5				25
		Use of small tools and implements for rabi crop for drudgery reduction with demonstration		4	On	20	5	5				25
		Increased production and productivity through Farm mechanization (seed drill, paddy reaper, drum seeder etc.)		4	On	20	5	5				25
		Importance and scope of water harvesting and micro irrigation		4	On	20	5	5				25
	Rural Youth	Construction of vermicomposting structure with demonstration (pucca and pit method)		3	Off	2		2	20	3	23	25
		Construction of Low cost Vermicomposting and Mushroom House		4	Off				20	5		25
Animal Science	Farmer and Farm women	Scientific rearing of goat		4	On	10	15	25	-	-	-	25
		Economic importance of backyard poultry		4	Off	15	10	25	-	-	-	25
		Scientific rearing of crossbreed pig		4	On	20	5	25	-	-	-	25
		Scientific rearing of Japanese quail		2	Off	10	15	25	-	-	-	25
	Rural Youth	Artificial Insemination in Pigs		4	On	-	-	-	20	5	25	25
		Scientific rearing of ornamental fowl		4	Off	-	-	-	15	10	25	25
	NGO (including school drop outs)	Scientific rearing of broiler duck		4	On	-	-	-	20	5	25	25
		Scientific rearing of milch cow		2	On	-	-	-	15	10	25	25
	Rural Youth (Vocational)	Livestock based Integrated Farming System		4	On	20	10	30	-	-	-	30
KVK Imphal West, Manipur												

Agronomy	Farmer and Farm women	Integrated crop management in rice	1	3	On	2	2	4	8	3	11	15
		Package and practices of Maize cultivation	1	3	On	5	2	7	8	5	13	20
		Balanced nutrition in plants	1	3	On	3	0	3	10	2	12	15
		Package and practices of rajma cultivation	1	3	Off	1	1	2	10	3	13	15
		Low cost Vermicomposting	1	3	Off	2	3	5	13	2	15	20
		Doubling farmers income through IFS	1	3	Off	0	0	0	15	5	20	20
	Rural Youth	Low cost vermicomposting for enhancing farmers income	1	5	On	0	2	2	8	0	8	10
	Extension Personnel	Productivity enhancement in field crops	1	3	On	2	0	2	8	0	8	10
Plant breeding	Farmer and Farm women	Different techniques of nursery raisings for quality seedlings of rice	1	3	Off	0	2	2	10	3	13	15
		IPM & INM in line transplanting for crop improvement of cereals	1	3	On	0	5	5	10	5	15	20
		F1 hybrid maize seed production	2	3	On/ Off	3	10	13	5	2	7	20
		Organic production of black rice for doubling of farmers income	1	2	On	5	3	8	15	2	17	25
		Quality seed production of kharif rice	2	5	On/ Off	2	2	4	14	2	16	20
		Post transplanting and its management for kharif rice seed production	1	4	Off	3	10	13	5	2	7	20
		Selection of suitable crop sequences after kharif crop	1	3	Off	2	4	6	10	2	12	18
	Rural Youth	Recycling of waste materials into wealth	1	3	On	0	5	5	15	5	20	25
		Organic production of black rice for doubling of farmers income	1	2	Off	0	8	8	11	6	17	25
	Extension Personnel	Seed production and its advantages of farmers in	1	2	On	3	2	5	15	5	20	25

		Manipur										
	Farmer and Farm women (Sponsored)	Seed production of cereals, pulse and oilseeds	4	4	Off	15	10	25	55	20	75	100
SWCE	Farmer and Farm women	Construction of Jalkund for life saving irrigation	1	3	On	0	0	0	10	10	20	20
		Rainwater harvesting and recycling	1	3	On				10	10	20	20
		Installation and maintenance of drip irrigation for vegetable crops	1	3	On				10	10	20	20
		Use of different techniques for soil moisture conservation in agriculture	1	3	Off				10	10	20	20
	Rural Youth	Use of plastics in agriculture in different agricultural activities	1	5	On				10	10	20	20
		Greenhouse technology	1	5	On				10	10	20	20
	Extension Personnel	Soil and water conservation for sustainable agriculture	1	3	On				5	5	10	10
Animal Science	Farmer and Farm women	Egg production in rural for enhancing farmers income	1	2	Off	10	15	25				25
		Prevention and disease management livestock animal	1	3	On	10	10	20				20
		Care and management of dairy cattle	1	3	On				4	18	22	22
		Feed and fodders of livestock for economic milk production	1	3	On				20	5	25	25
		Backyard Poultry farming	2	2	Off				20		20	20
		Disease management of livestock	1	2	Off				12	3	15	15
		Cultivation of fodder crops for live stock	1	3	Off				10	5	15	15
	Rural Youth	Live stock based Integrated farming system for rural	1	5	Off				17	3	20	20

		area										
		Rearing of Broiler for meat production for doubling income farmers	1	3	On	6		6	9	5	14	20
	Extension Personnel	Rearing of poultry for doubling farmers income for SHGS women	1	5	On	10	10	20				20
	Farmer and Farm women (Sponsored)	Livestock production for income generation	1	3	On	6		6	9	5	14	20
Horticulture	Farmer and Farm women	Improved production technology of spice crops	1	5	On		10	10	5		5	15
		Mushroom production techniques	1	5	On		10	10		5	5	15
		Production and propagation techniques of fruits crop	1	5	On	5		5	10		10	15
		Production technology of King chilli	1	3	Off	5		5	10		10	15
		Value addition	1	3	Off		5	5		10	10	15
	Rural Youth	Production technology of gerbera flower	1	2	On	5	5	10	5		5	15
		Cultivation practices of vegetables	1	3	Off		5	5	5	5	10	15
Agricultural Extension	Farmer and Farm women	Importance of Traditional Agriculture for sustainable farming	1	3	On		10	10	10		10	20
		Role of FPOs for Sustainable Agriculture	3	3	On		10	10	10		10	20
	Rural Youth	Gardening- A venture for Rural Youths	1	5	On	5	5	10	5	5	10	20
		Entrepreneurship development for educated unemployed youths	1	3	Off		5	5	5	5	10	15
	Extension Personnel	Importance of Intellectual Property Rights (IPR)	1	3	On	5		5	5		5	10
KVK Senapati, Manipur												
Horticulture	Farmer and Farm women	Package and practices of spice crop (Large cardamom and ginger)	1	2	Off	15	10	25				25

		Package and practices of kiwi fruit and its management	1	2	On	15	10	25				25
		Production and Management of high value vegetables	1	2	Off	10	15	25				25
	Rural Youth	Propagation techniques and planting material production in horticultural crops	1	2	On	15	10	25				25
		Protected cultivation for vegetable production	1	2	Off	10	15	25				25
	Extension Personnel	Rejuvenation techniques and practices of old orchards	1	1	On	15	5	20				20
	Rural Youth (Vocational)	Organic vegetable production	1	6	On	15	10	25				25
Plant Breeding & Genetics	Farmer and Farm women	Cultivation techniques of Kharif pulses	1	2	Off	15	10	25				25
		Concepts & techniques of crop diversification	1	2	On	15	10	25				25
		Techniques for cultivation of rabi crops in rice fallow	1	2	On	15	10	25				25
	Rural Youth	Importance of changing cropping pattern	1	2	Off	15	10	25				25
		Integrated crop management: Concept & Importance	1	2	On	15	10	25				25
	Extension Personnel	Role of conservation agriculture in sustainable agriculture	1	1	On	15	5	20				20
	Rural Youth (Vocational)	Seed production techniques of Rabi Oilseeds	1	6	On	15	10	25				25
Plant Protection	Farmer and Farm women	Organic Pest Management in vegetable crops	1	3	Off	10	15	25				25
		Important Pest of Tree bean and their Management practices	1	3	Off	20	5	25				25
		IPM on rice crops	1	2	Off	15	10	25				25
	Rural Youth	Role of intercropping in insect pest management	1	3	On	15	10	25				25
		Soil borne diseases management in vegetable crops	1	2	Off	15	10	25				25

	Extension Personnel	Pest Management Strategies in Organic farming	1	6	On	5	5	10				10
	Rural Youth (Vocational)	Mushroom Production technology	1	6	On	15	10	25				25
Animal Science	Farmer and Farm women	Training on improved pig rearing in the hills	1	2	Off	15	10	25				25
		Livestock based IFS in the hills	1	2	On	15	10	25				25
		Turkey and duck rearing by farm women	1	2	Off	0	25	25				25
	Rural Youth	Poultry rearing as an enterprises for youth	1	3	Off	10	10	20				20
		Scientific Pig rearing for income generation	1	3	On	10	10	20				20
	Extension Personnel	Artificial Insemination in Dairy Cattle	1	1	On	15		15				15
	Rural Youth (Vocational)	Income generation through different livestock farming for youths in the hills	1	7	On	10	10	20				20
Fisheries	Farmer and Farm women	Fish based duck integrated farming system	1	3	Off	12	10	22				22
		Scientific fish culture and management	1	3	Off	10	15	25				25
		Importance and management of Nursery Pond in the hills	1	3	Off	18	7	25				25
	Rural Youth	Importance of Feed and feeding management of Carps	1	3	On	15	10	25				25
		Techniques and breeding of fish in happa	1	3	Off	9	16	25				25
	Extension Personnel	Common Fish disease and health management in the hill	1	1	On	10	5	15				15
	Rural Youth (Vocational)	Fabrication of Aquarium and ornamental fish rearing technique	1	6	On	15	10	25				25
Home Science	Farmer and Farm women	Crocheting for income generation	1	2	Off		25	25				25
		Preparation of Bamboo shot Pickle	1	2	On		25	25				25

		Value addition on locally available fruits and vegetables	1	2	Off		25	25				25
	Rural Youth	Utilization of waste materials (Briquette making)	1	2	Off		25	25				25
		Craft making from Jute	1	2	Off		25	25				25
		Corsage tiara making	1	2	Off		25	25				25
	Extension Personnel	Importance of nutritional garden	1	1	On		20	20				20
	Farmer and Farm women (Vocational)	Technique of tie and dye	1	6	Off		20	20				20
	Rural Youth (Vocational)	Stitching and tailoring for self employment for women empowerment	1	6	Off		15	15				15
Agro forestry	Farmer and Farm women	Tree plantation and it's maintenance	1	3	Off	10	15	25				25
		Intercropping of MPTS with pulses crop and Oil seeds	1	2	Off	10	15	25				25
		Reclamation of degraded area with MPTS	1	2	Off	10	15	25				25
		Socio-economic aspects of agro-forestry	1	1	Off	10	15	25				25
	Rural Youth	Role of Agro-forestry in the present context of climate change	1	1	On	10	15	25				25
		Supporting technologies for different Agro-forestry system practices in the hills	1	3	Off	10	15	25				25
		Nursery raising practices and management	1	3	On	10	15	25				25
	Extension Personnel	Different agro-forestry system practices in the hill	1	1	On	10	10	20				20
Agriculture Extension	Farmer and Farm women	Leadership development	1	2	On		25	25				25
		Formation and management of SHGs'	1	2	Off	15	10	25				25
		Farmers club: Its concept and importance	1	2	Off	20	5	25				25

	Rural Youth	Rural youth as para- extension workers	1	2	Off	12	13	25				25
		Entrepreneurship development for rural youth	1	2	On	15	10	25				25
	Extension Personnel	Role of group dynamics in formation of farm organisation	1	1	On	10	5	15	5		5	20
Farm Management	Farmer and Farm women	Repair & Maintenance of farm machinery & implements	1	3	On		25	25				25
		Solar drying of turmeric , ginger & other spices crops	1	3	Off	15	10	25				25
		Technique of offseason production of tomato & cucumber	1	3	Off	20	5	25				25
	Rural Youth	Vermicomposting for income generation	1	2	Off	20	5	25				25
		Installation of low cost poly-house	1	2	Off	20	5	25				25
	Extension Personnel	Organic farming & its importance to human health	1	1	On	10	10	20				20
	Rural Youth (Vocational)	Preparation of IMO & Its application in animal husbandry, composting & farming practices	1	6	On	20	5	25				25
KVK Tamenglong, Manipur												
Agronomy	Farmer and Farm women (On & Off)	Improved cultivation package of Maize	1	1	On	10	10	20	-	-	-	20
		Cultivation of Groundnut in abandoned Jhumland	1	1	Off	15	5	20	-	-	-	20
		Improved package & practice of soybean	1	1	Off	10	10	20	-	-	-	20
		Cultivation of Red gram in Jhumland	1	1	Off	10	5	20	-	-	-	20
		cultivation of Lentil in minimum tillage operation	1	1	Off	15	5	20	-	-	-	20
		Zero tillage cultivation of Rapeseed in paddy fallow land	1	1	Off	10	10	20	-	-	-	20
		Minimum tillage cultivation of Field pea	1	1	Off	10	10	20	-	-	-	20

		Low cost weeds management techniques	1	1	On	15	5	20	-	-	-	20
		Improved package & practice of paddy cultivation.	1	1	Off	16	4	20	-	-	-	20
	Rural Youth (On & Off)	Bee keeping as 2ndry source of income	1	3	Off	10	5	15	-	-	-	15
		Vermicomposting techniques	1	3	Off	10	5	15	-	-	-	15
	Extension Personnel (On & Off)	Capacity building on Jhum improvement	1	1	On	10	5	15	-	-	-	15
	Farmer and Farm women (Sponsored)	Awareness program on Rabi crops	1	3	Off	15	5	20	-	-	-	20
		Awareness program on Kharif pulses crops	1	3	Off	15	5	20	-	-	-	20
Horticulture	Farmer and Farm women (On & Off)	Single Bud Transplanting Technique of Turmeric to Reduce Seed Cost	1	3	Off	10	10	20	10	10	20	20
		Softwood Grafting of Tamenglong orange	1	3	Off	10	10	20	10	10	20	20
		Oyster Mushroom Production	1	3	Off	10	10	20	10	10	20	20
	Rural Youth (On & Off)	Use of plastic in Horticulture	1	3	On	10	10	20	10	10	20	20
	Extension Personnel (On & Off)	Rejuvenation of old and declined Tml orange orchards	1	3	On	7	3	10	7	3	10	10
	Farmer and Farm women (Sponsored)	Oyster Mushroom Production	3	2	Off	60	60	120	60	60	120	120
		Production of vegetable crops	3	1	Off	60	60	120	60	60	120	120
		Protected Cultivation of High Value Vegetable	3	1	Off	60	60	120	60	60	120	120
		Orchard Management	1	1	Off	60	60	120	60	60	120	120
	Rural Youth (Sponsored)	Oyster Mushroom Production	2	2	Off	60	60	120	60	60	120	120
		Production of Quality Planting	3	2	Off	40	40	80	40	40	80	80

Plant Breeding	Farmer and Farm women (On & Off)	Participatory seed production through seed village concept	1	3	Off	20	10	30	-	-	-	30
		Quality seed production & Seed village concept	1	3	Off	20	10	30	-	-	-	30
		Organic farming	1	2	Off	20	10	30	-	-	-	30
	Rural Youth (On & Off)	Participatory seed production	1	2	Off	10	5	15	-	-	-	15
		PPV&FRA	1	1	On	10	5	15	-	-	-	15
	Extension Personnel (On & Off)	Varietal collection and conservation under PPV&FRA	1	1	On	10	5	15				15
	Farmer and Farm women (Vocational)	Participatory seed production in field crops	1	3	On	15	5	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Participatory seed production	1	3	Off	15	5	20	-	-	-	20
Soil Science	Farmer and Farm women (On & Off)	INM in Oilseed and Pulses	6	12	-	70	30	100	-	-	-	100
	Rural Youth (On & Off)	Soil collection, testing and interpretation	1	3	-	18	5	23	-	-	-	23
	Extension Personnel (On & Off)	Nutrient management in Cole crops	1	3	-	20	5	25	-	-	-	25
	NGO(including school drop outs) (On & Off)	Soil Health management	2	2	-	20	5	25	-	-	-	25
	Farmer and Farm women (Vocational)	Organic matter recycling in Orange orchards	4	3	-	18	5	23	-	-	-	23
	Farmer and Farm women (Sponsored)	Production of Vermicompost and use in crops	1	3	-	20	10	30	-	-	-	30
Plant Protection (Entomology/ Plant Pathology/ Nematology)	Farmer and Farm women (On & Off)	Management of insect pests and diseases in King chilli	1	1	On	10	15	25	-	-	-	25
		Management of pests and diseases in banana	1	1	Off	10	15	25	-	-	-	25

		Management of insect pests and diseases in onion, pea and cabbage	1	3	On	10	10	25	-	-	-	25
		Management of insect pests and diseases in French Bean	1	1	Off	10	10	20	-	-	-	20
	Rural Youth (On & Off)	Management of pests and diseases in oranges	1	1	On	10	10	20	-	-	-	20
	Extension Personnel (On & Off)	Plant protection measures in Rapeseed (1)	1	1	On	10	5	15	-	-	-	15
Animal Science	Farmer and Farm women (On & Off)	Common diseases of pig and its control measures	1	1	Off	8	7	15	-	-	-	15
		Backyard poultry farming with improved birds	1	2	On	10	5	15	-	-	-	15
		Common viral diseases of Poultry and its control measures	1	1	Off	10	6	16	-	-	-	16
	Rural Youth (On & Off)	Care and management of new born piglets	1	1	On	10	8	18				18
		Care and management of poultry during winter season	1	1	Off	10	7	17	-	-	-	17
	Extension Personnel (On & Off)	Care and management of chicks	1	1	Off	15	10	25	-	-	-	25
	Farmer and Farm women (vocational)	Parasitic infestation in domestic animals and deworming schedule	1	1	On	10	5	15	-	-	-	15
	Farmer and Farm women (Sponsored)	Scientific pig rearing for farmers	1	1	Off	10	8	18	-	-	-	18
KVK Thoubal, Manipur													
Agronomy	Farmer and Farm women	Scientific cultivation of rice	1	3	Off				15	5	20	20
		Integrated crop management of rice	1	2	Off				15	5	20	20
		Scientific cultivation of kharif pulses & oilseeds	1	3	On				15	5	20	20
		Double cropping	1	3	Off				15	5	20	20

		Nutrient management of rice	1	3	Off				20		20	20
		Scientific cultivation of Rabi pulses & oilseeds	1	3	On	20		20				20
		Scientific cultivation of wheat	1	3	Off				20		20	20
		Scientific cultivation of Rabi maize	1	3	Off				20		20	20
	Rural Youth	Seed production of rice	1	3	On				15	5	20	20
		Seed production of Rabi pulses	1	2	Off				20		20	20
		Organic farming	1	3	Off				18	2	20	20
	Extension Personnel	Scientific cultivation of rapeseed mustard under zero tillage condition	1	1	On				15	5	20	20
		Intercropping	1	1	Off				15	5	20	20
	Rural Youth (Vocational)	Seed production of cereals & pulses	1	15	On				35	5	40	40
	NGO (including school drop outs) (Vocational)	Seed production of pulses	2	10	Off				15	1	16	16
	NGO (including school drop outs) (Sponsored)	Integrated farming system	1	3	Off				15	5	20	20
Plant breeding & Genetics	Farmer and Farm women	Cultivation of hybrid maize	1	3	Off				18	2	20	20
		Seed production technology of CAU-R1	1	3	Off				15	5	20	20
		Seed Production	1	3	On				20		20	20
		Rouging practices in rice seed production	1	3	Off				17	3	20	20
		Harvesting & threshing rice for seed purpose	1	3	Off				15	5	20	20
	Rural Youth	Processing & storage of rice seed	1	3	On				30	10	40	40
		Seed Production	1	3	Off				70	10	80	80
	Rural Youth (Vocational)	Seed production	1	15	Off				20		20	20
	Rural Youth (Sponsored)	Seed Production	1	3	On				40		40	40
		Integrated Farming System	1	3	On	5	5	10	20	5	25	35
Plant Protection	Farmer and Farm women	Pest management in rice	2	3	Off	12	8	20	15	5	20	40

		Pest management in potato	1	3	Off				20	10	30	30
		Pest management in Tomato	1	3	Off				20	10	30	30
		Pest management in Cowpea	1	3	Off				20		20	20
	Rural Youth	Mushroom cultivation	1	3	Off				35	15	50	50
		Vermicomposting	1	3	On	15		15	35		35	50
	Rural Youth (Vocational)	Vermicomposting	1	15	On				15		15	15
	Rural Youth (Sponsored)	Integrated Pest Management in crops	2	3	On				20	20	40	40
Fisheries	Farmer and Farm women	Scientific method of pond preparation & pond management for fish farming	1	3	On		2	2	11	7	18	20
		Composite fish farming	1	3	Off	4	2	6	10	4	14	20
		Pre and post stocking management of fish farming	1	3	Off	3		3	7	5	12	15
		Carp fry and fingerling production	1	3	Off	2		2	11	2	13	15
		Water quality management	1	3	Off	3		3	8	4	12	15
		Importance of liming in fish farming	1	3	Off	1	3	4	8	3	11	15
	Rural Youth	Ornamental Fish culture and its managements	1	3	On				20		20	20
		Integrated fish farming system	2	3	Off	4	2	6	34	20	54	60
	Extension Personnel	Management of fish disease and its control measures	2	2	On		7	7	21	12	33	40
	Rural Youth (Vocational)	New venture in ornamental fish culture & breeding	1	5	On				10	5	15	15
	Farmer and Farm women (Sponsored)	Scientific methods of Pond Preparation and pond management for fish farming	1	3	On				10	10	20	20
		Post harvest technology of fish	1	3	On					30	30	30
	Rural Youth (Sponsored)	Ornamental Fish farming	1	3	On				20		20	20
Home Science	Farmer and Farm women	Osmotic dehydration of fruits	2	3	On				5	15	20	20
		Preservation of Roselle	2	3	Off				3	22	25	25
		Bori Preservation	3	3	On/ Off		10	10		20	20	30
		Value Addition of Carambola	1	3	On				2	18	20	20

		Preservation & Value addition of amla	2	3	On/ Off		6	6		19	19	25
	Rural Youth	Income generation through value addition of fruits & vegetables	2	6	On/ Off	5	20	25	25	50	75	100
	Extension Personnel	Nutritional diet for children (Assam Mix)	1		On					20	20	20
	Rural Youth (Vocational)	Income generation through value addition of fruits & vegetables	1	10	On					15	15	15
	Farmer and Farm women (Sponsored)	Value addition of fruits and vegetables	1	3	On	5	5	10	5	15	20	30
	Rural Youth (Sponsored)	Post harvest Processing and Packaging of fruits & vegetables	1	3	On				5	10	15	15
Agriculture Extension	Farmer and Farm women	Marketing Strategies for Perishable Fresh Fruits & Vegetables	2	3	On/ Off	20	10	30	80	30	110	140
		Economic Potentials of cultivating organic black rice of Manipur in comparison to local HYV rice	3	3	On/ Off							
		Marketing Potentials of Rice Seed Production	2	3	On/ Off							
	Rural Youth	Public-Private Linkage in Market-led Extension	2	3	On/ Off	10	5	15	45	20	65	80
		Intervention of Information and Communication Technology (ICT) in Agricultural Marketing	2	3	On/ Off							
	Extension Personnel	Strategies for Linking Farmers to Markets	2	3	On/ Off	5	5	10	15	5	20	30
	Rural Youth (Vocational)	Communication Skills and Team Building	1	15	On	5	2	7	10	3	13	20
KVK Ukhrul, Manipur												
Agronomy	Farmer and Farm women (On & Off)	Seed treatment of rice ,maize ground nut and rice bean (bioagents)	1	-	-	25	25	50	-	-	-	50
		Cultivation practice of Groundnut	1	-	-	20	20	40	-	-	-	40
		Weed Management of Rice, mustard , groundnut	1	-	-	20	20	40	-	-	-	40
		Scientific cultivation of Soyabean	1	-	-	20	20	40				40

		Cultivation Practice of Rapeseed	1	-	-	15	15	30	-	-	-	30
		Package and Practice of Maize	1	-	-	20	20	40	-	-	-	40
		Cropping system of rice , maize, pea, minor millets	1	-	-	20	20	80	-	-	-	80
		Importance Seed & seed production	1	-	-	20	20	40	-	-	-	40
	Rural Youth (On & Off)	Importance of rabi crop (lentil & mustard) after rice	1	-	-	15	15	30	-	-	-	30
	Extension Personnel (On & Off)	Rain water Harvesting Techniques for hill conditions	1	-	-	10	5	15				15
		Importance of rabi crop (lentil & mustard) after rice	1	-	-	10	5	15	-	-	-	15
	NGO(including school drop-outs) (On & Off)	Rain water Harvesting Technique for hill condition	1	-	-	15	15	30	-	-	-	30
Horticulture	Farmer and Farm women (On & Off)	Improved cultivation practice of Banana and banana fibre	1	5	on	30	30	60	-	-	-	60
		Community based Food processing of local fruits & Vegetable	1	3	on	30	30	60	-	-	-	60
		Improved production technology of turmeric	1	3	Off	30	30	60	-	-	-	60
		Establishment and maintenance of citrus orchard	1	3	Off	15	15	30	-	-	-	30
		Early production of Garden pea	1	3	Off	15	15	30				30
		Cultivation practice of onion	1	5	Off	20	20	40	-	-	-	40
		Training and Pruning of kiwi fruits	1	5	Off	25	25	50	-	-	-	50
		Package and practices of taro and cassava cultivation	1	5	Off	15	15	30	-	-	-	30
		Nursery raising technology of vegetable crops	-	-	On	15	15	30	-	-	-	30
	Rural Youth (On & Off)	Community base value addition of fruit and vegetable	2	5	On /off	20	20	40	-	-	-	40
		Mushroom production technology	3	5	Off/on	25	25	50				50
	Extension Personnel (On	Off season production of cabbage	1	-	Off	20	0	20	-	-	-	20

	& Off)	Organic production technology of broccoli	1	-	Off	30	0	30	-	-	-	30.
	Farmer and Farm women(Vocational)	Community base value addition of fruit and vegetable	2	5	On /off	20	20	40	-	-	-	40
	Rural Youth (Vocational)	Mushroom production technology	3	5	Off/On	25	25	50	-	-	-	50
		Community base value addition of fruit and vegetable	2	5	On /Off	20	20	40	-	-	-	40
	Extension Personnel (Vocational)	Off season production of cabbage	1	3	On/Off	10	5	15	-	-	-	15
		Recent advantage in organic broccoli production	1	3	On/Off	10	5	15				15
	Farmer and Farm women (Sponsored)	Community base value addition of fruit and vegetable	2	5	On /off	20	20	40	-	-	-	40
Soil Science	Rural Youth (On & Off)	Soil Sampling technique for soil testing in crop production	1	7	Off	30	30	60	-	-	-	60
		INM in kharif crops like rice, mazie, soybean	1	7	-	-	-	-	-	-	-	
		Vermicomposting techniques	1	3	Off	10	10	20	-	-	-	20
		Soil Sampling technique for soil testing in crop production	1	3	Off	15	15	30	-	-	-	30
	Extension Personnel (On & Off)	Scientific vermicomposting techniques	1	3	Off	20	20	40	-	-	-	40
		Soil Sampling technique for soil testing in crop production	1	3	Off	15	15	30	-	-	-	30
Plant Protection (Entomology/ Plant Pathology/ Nematology)	Farmer and Farm women (On & Off)	Pest and disease management on Tuber crops	1	3	Off	15	15	30	-	-	-	30
		Integrated Pest management in Rice	1	3	Off	20	20	40	-	-	-	40
		Integrated Disease Management in Rice	1	3	Off	20	20	40	-	-	-	40
		Pest management in vegetable crops	1	3	Off	15	15	30	-	-	-	30
		Pest management on Pulses crops	1	3	Off	15	15	30	-	-	-	30

		Insect pest and disease management of Cole crops	1	3	Off	15	10	25	-	-	-	25
		Insect pest and disease management of Rapeseed Mustard	1	3	Off	20	20	40	-	-	-	40
		Pest and disease management on Banana	1	3	Off	15	15	30	-	-	-	30
	Rural Youth (On & Off)	Organic Management of Pest and Disease for Spices Crops	1	-	Off	-	-	-	-	-	-	-
Fishery	Farmer and Farm women (On & Off)	Scientific methods of Pond Preparation and pond management for fish farming.	1	3	On	15	15	30	-	-	-	30
		Manuring and supplementary feeding in fish farming.	1	3	Off	15	15	30	-	-	-	30
		Pre and post stocking management in fish farming	1	3	On	15	10	25	-	-	-	25
		Fish farm construction and designing	1	3	On	15	15	30	-	-	-	30
		Paddy cum fish culture in hilly areas.	1	3	Off	15	10	25	-	-	-	25
		Breeding techniques of Indian Major Carps.	1	3	On/off	15	15	30	-	-	-	30
		Integrated fish farming	1	4	On/off	15	15	30	-	-	-	30
		Scientific method of fish farming for income generation	1	3	On/off	15	15	30	-	-	-	30
	Rural Youth (On & Off)	Feed management in the aquaculture and its importance	1	3	On	15	15	30	-	-	-	30
		Aquarium fabrication and its management	1	3	On	15	15	30	-	-	-	30
		Methods of fish feed preparation with locally available materials	1	3	Off	15	10	25	-	-	-	25
		Water quality management in fish farming	1	3	0n	15	15	30	-	-	-	30
	Extension Personnel (On & Off)	Common fish diseases and its management.	1	3	On	10	10	20	-	-	-	20
		Feeding management in scientific fish culture	-	3	On	10	10	20	-	-	-	20
	NGO(including school	Breeding techniques of Indian Major Carps.	1	2	On	10	10	20	-	-	-	20

	drop-outs) (On & Off)	Integrated fish farming and its benefits	1	2	On	15	10	25	-	-	-	25
	Rural Youth (Vocational)	Ornamental Fish culture and its managements	2	2	On	15	15	30	-	-	-	30
		Integrated fish farming systems	1	2	Off	10	10	20	-	-	-	20
		Methods of fish feed preparation with locally available materials.	2	2	On	10	15	25	-	-	-	25
	Extension Personnel (Vocational)	Common fish diseases and its management	1	2	On	15	5	20	-	-	-	20
		Breeding of exotic fish species.	1	2	On	20	0	20	-	-	-	20
		Pig cum fish farming practice and its management.	1	2	On	15	10	25	-	-	-	25
Animal Science	Farmer and Farm women (On & Off)	Egg production in rural for enhancing farmers income.	1	8	-	25	25	50	-	-	-	50
		Care and Management of growing piglets	1	3	-	10	10	20	-	-	-	20
		Feeds and fodders of livestock for economic milk production.	2	5	-	20	10	30	-	-	-	30
		Feeding and breeding management of pig.	1	3	-	15	10	25	-	-	-	25
		Care and management of brooder chicks.	1	3	-	10	10	20	-	-	-	20
		Care and management of dairy cattle.	1	5	-	15	15	30	-	-	-	30
		Prevention and disease management of pig.	1	3	-	15	10	25	-	-	-	25
	Rural Youth (On & Off)	Rearing of broiler for meat production	1	3	-	10	10	20	-	-	-	20
		Dairy farming for self-employment among youths.	1	3	-	15	10	25	-	-	-	25
		Scientific management and care for breeding pig	1	3	-	15	10	25	-	-	-	25
	Extension Personnel (On & Off)	Role of fodder production and preservation for dairy farming	1	1	-	10	10	20	-	-	-	20
	NGO(including school drop-outs) (On & Off)	Backyard poultry rearing for income generation	1	20	On	20	0	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Scientific care and management Pig rearing	1	1	Off	0	20	20	-	-	-	20

KVK East Garo Hills, Meghalaya												
Agronomy	Farmer and Farm women	Crops diversification for sustainable agriculture (3)	1	3	Off	10	10	20	-	-	-	20
		Management of soil acidity (3)	1	3	Off	10	10	20	-	-	-	20
		Integrated weed management (3)	1	3	Off	10	10	20	-	-	-	20
		Drought management (3)	1	3	Off	10	10	20	-	-	-	20
		Soil and water conservation (3)	1	3	Off	10	10	20	-	-	-	20
		Scientific methods of greengram and blackgram cultivation (3)	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Integrated Farming system (IFS) (3)	1	3	Off	10	10	20	-	-	-	20
		Organic farming (3)	1	3	Off	10	10	20	-	-	-	20
		Crops and cropping systems (3)	1	3	Off	10	10	20	-	-	-	20
	Extension Personnel	Integrated organic nutrient management (3)	1	3	Off	10	5	15	-	-	-	15
Horticulture	Farmer and Farm women	Adverse effect of synthetic fertilizers (4)	1	3	Off	10	10		-	-	-	20
		Value addition on pineapple (4)	1	3	Off	10	10		-	-	-	20
		INM in Major Horticultural Crops (4)	1	3	Off	10	10		-	-	-	20
		Jhum cultivation in North East India(4)	1	3	Off	10	10		-	-	-	20
		Cultivation of winter crops (4)	1	3	Off	10	10		-	-	-	20
		Nutritional gardening(4)	1	3	Off	10	10		-	-	-	20
	Rural Youth	Post-Harvest Management of Fruits (4)	1	3	Off	10	10		-	-	-	20
		Flower Gardening (4)	1	3	Off	10	10		-	-	-	20
		Protected cultivation of vegetables(4)	1	3	Off	10	10		-	-	-	20
	Extension Personnel	Scientific Approach to the prevailing Horticultural Practices (4)	1	3	Off	10	5		-	-	-	15
Plant Protection	Farmer and Farm women	Storage of planting materials for effective management of rhizome rot of ginger (4)	1	3	Off	10	10	20	-	-	-	20

		Soil borne diseases and its management for sustainable agriculture (4)	1	3	Off	10	10	20	-	-	-	20
		Mass multiplication *Trichoderma harzianum* at farmers field level (4)	1	3	Off	10	10	20	-	-	-	20
		Important Diseases of Mustard and itsmanagement (4)	1	3	Off	10	10	20	-	-	-	20
		Important Diseases and pests management of Mango (4)	1	3	Off	10	10	20	-	-	-	20
		Important Diseases and pests management of Litchi (4)	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Oyster Mushroom and Shitake Mushroom Cultivation(4)	1	3	Off	10	10	20	-	-	-	20
		Production of Mushroom Spawn(4)	1	3	Off	10	10	20	-	-	-	20
		Bee keeping at rapeseed mustard field and citrus orchard.(4)	1	3	Off	10	10	20	-	-	-	20
Livestock Production	Farmer and Farm women	Scope of broiler farming(4)	1	3	Off	10	10	20	-	-	-	20
		Pig farming- a source of livelihood(4)	1	3	Off	10	10	20	-	-	-	20
		Scientific Management of Dairy Farming (4)	1	3	Off	10	10	20	-	-	-	20
		Feeding and Nutrition of Different Categories of Livestock Animals (4)	1	3	Off	10	10	20	-	-	-	20
		Scientific feeding management of Goat (3)	1	3	Off	10	10	20	-	-	-	20
		Common livestock diseases-prevention and control (3)	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Feeding & Nutrition of Pig(4)	1	3	Off	10	10	20	-	-	-	20
		Care and Management of Dairy Cattle (4)	1	3					-	-	-	
		Scope of Poultry farming(4)	1	3	Off	10	10	20	-	-	-	20

	Extension Personnel	Scientific Management of Livestock farming (4)	1	3	Off	08	07	15	-	-	-	15
Fisheries	Farmer and Farm women	Fresh water prawn Culture (4)	1	3	Off	10	10	20	-	-	-	20
		Carps seed production and hatchery management (4)	1	3	Off	10	10	20	-	-	-	20
		Seed Production of Ornamental fishes (4)	1	3	Off	10	10	20	-	-	-	20
		Composite fish culture (4)	1	3	Off	10	10	20	-	-	-	20
		Farming of stunted fingerlings (4)	1	3	Off	10	10	20	-	-	-	20
		Integrated Rice Cum Fish Farming System (4)	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Fresh water prawn Culture (4)	1	3	Off	10	10	20	-	-	-	20
		Composite fish culture(4)	1	3	Off	10	10	20	-	-	-	20
		Bio-floc Fish Farming (4)	1	3	Off	10	10	20	-	-	-	20
	Extension Personnel	Management in Bio-floc Farming Technology (2)	1	3	Off	10	05	15	-	-	-	15
Agricultural Engineering	Farmer and Farm women	Gravity fed irrigation (4)	1	3	Off	10	10	20	-	-	-	20
		Rain water harvesting (4)	1	3	Off	10	10	20	-	-	-	20
		Plastic mulching (4)	1	3	Off	10	10	20	-	-	-	20
		Drudgery reducing tools and implements (4)	1	3	Off	10	10	20	-	-	-	20
		Low cost storage structure (4)	1	3	Off	10	10	20	-	-	-	20
		Soil erosion measures (4)	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Food processing and value addition (4)	1	3	Off	10	10	20	-	-	-	20
		Beehive Briquette making (4)	1	3	Off	10	10	20	-	-	-	20
		Construction of farm pond (4)	1	3	Off	10	10	20	-	-	-	20

KVK East Khasi Hills, Meghalaya												
Agronomy	Farmer and Farm women	Organic package and practices of major field crops (2)	1	4	On	18	10	28	-	-	-	28
		Micronutrient deficiency in some important crops(2)	1	4	Off	18	10	28	-	-	-	28
		Integrated nutrient management in different crops (2)	1	4	Off	18	10	28	-	-	-	28
		Composting ,Types of composting (2)	1	4	On	18	10	28	-	-	-	28
		Organic farming for sustainability (2)	1	4	On	18	10	28	-	-	-	28
		Mulching and cover crops (2)	1	4	Off	18	10	28	-	-	-	28
		Soil and water conservation measures (2)	1	4	Off	18	10	28	-	-	-	28
		Integrated Farming system(2)	1	4	On	18	10	28	-	-	-	28
		Soil health management(2)	1	4	On	18	10	28	-	-	-	28
	Rural Youth	Organic Farming and its advantages (2)	1	4	On	10	10	20	-	-	-	20
		Soil testing and use of Rapid soil health test kit (2)	1	4	On	10	10	20	-	-	-	20
		Biofertilizers (2)	1	4	Off	10	10	20	-	-	-	20
	Extension Personnel	Principles and practices of Organic farming (2)	1	4	On	5	10	15	-	-	-	15
		Cropping systems (2)	1	4	Off	5	10	15	-	-	-	15
	Farmer and Farm women (Vocational)	Management of Rice nursery (2)	1	4	Off	8	7	15	-	-	-	15
		Nutrient Management in Rice Need based (2)	1	4	On	7	8	15	-	-	-	15
Horticulture	Farmer and Farm women	Production and Management technology of tuber crops (1)	1	4	0ff	7	8	15	-	-	-	15
		Production of low volume and high value crops (4)	1	4	0ff	30	30	60	-	-	-	60

		Production and Management technology of spices (3)	1	4	On	15	15	30	-	-	-	30
		Off-season vegetables (2)	1	4	Off	15	15	30	-	-	-	30
		Nursery raising (2)	1	4	Off	16	20	36	-	-	-	36
		Exotic vegetables production (1)	1	4	Off	10	30	40	-	-	-	40
		Protective cultivation (Green Houses, Shade Net etc.) (2)	1	4	On	15	15	30	-	-	-	30
		Training & Pruning Cultivation of Fruit crops (1)	1	4	On	15	15	30	-	-	-	30
		Rejuvenation of old orchards (6)	1	4	Off	20	11	35	-	-	-	35
		Plant propagation techniques (1)	1	4		15	20	40	-	-	-	40
		Production of export potential ornamental plants (1)	1	4	On	20	15	35	-	-	-	35
		Production and Management technology of plantation crops (1)	1	4	On	20	20	40	-	-	-	40
		Production of export potential vegetables (8)	1	4	Off	15	15	30	-	-	-	30
	Rural Youth	Production and Management technology of plantation crops (1)	1	4	On	15	15	30	-	-	-	30
		Production and Management technology of tuber crops(1)	1	4	On	7	8	15	-	-	-	15
		Production and Management technology of spices (1)	1	4	On	6	9	15	-	-	-	15
		Production of export potential ornamental plants(7)	1	4	on	15	15	30	-	-	-	30
	Extension Personnel	Raising of Kitchen Garden (2)	1	4	On	20	20	40	-	-	-	40
		Nursery raising (3)	1	4	Off	20	20	40	-	-	-	40
	NGO (including school drop outs)	Backyard vegetable farming (1)	1	4	Off	6	9	15	-	-	-	15

Plant Protection	Farmer and Farm women	Role of bio pesticides and their uses in management of Insect pest and diseases in tomato and potato (3)	1	4	On	5	15	20	-	-	-	20
		Major insects pest and diseases in ginger and their management (2)	1	4	Off	15	20	35	-	-	-	35
		Advantages of biopesticides over chemical pesticides (1)	1	4	On	5	15	20	-	-	-	20
		Integrated pest management package for organic rice ecosystem (2)	1	4	Off	15	25	40	-	-	-	40
		On farm production of bio agents (*Trichoderma*and*Beauveriabassiana*) (2)	1	4	On	10	15	25	-	-	-	25
		Integrated pest Management of spices and plantation crops (3)	1	4	On	5	10	15	-	-	-	15
		Use of biopesticides for management of pests and diseases in fruit crops (3)	1	4	Off	15	25	40	-	-	-	40
		Pest management in crops grown under protected cultivation (2)	1	4	On	5	10	15	-	-	-	15
		Promotion on scientific bee keeping (3)	1	4	Off	5	15	20	-	-	-	20
		Use of neem and other plant products in organic farming (2)	1	4	On	5	15	20	-	-	-	20
		Role of bio pesticides and their uses in management of Insect pest and diseases in Cole crops (4)	1	4	On	5	15	20	-	-	-	20
		Beneficial Insects and plants (2)	1	4	On	10	10	20	-	-	-	20
		Integrated pest management packages for leguminous crops and pulses (4)	1	4	On	10	20	30	-	-	-	30
		Home remedies for management of insect pests and diseases in kitchen garden (2)	1	4	On	10	15	25	-	-	-	25

	Rural Youth	IPM in vegetables crops (2)	1	4	Off	10	10	20	-	-	-	20
		Home remedies for management of insect pests and diseases in kitchen garden (4)	1	4	On	10	10	20	-	-	-	20
		On farm production of bio agents (*T.harzianum*) (2)	1	4	On	10	10	20	-	-	-	20
	Extension Personnel	Plant Health Management (3)	1	4	Off	10	10	20	-	-	-	20
		IPM strategies (3)	1	4	On	10	10	20	-	-	-	20
Fisheries	Farmer and Farm women	Composite Fish Culture (9)	3	4	On	30	15	45	-	-	-	45
		Livelihood improvement of small and marginal farmers through Integrated Agriculture/Horticulture-fish production models (12)	4	4	On	40	20	60	-	-	-	60
		Breeding of amur carp and common carp wild and happa breeding (6)	2	4	On	30	0	30	-	-	-	30
		Culture and breeding of ornamental fishes (3)	1	4	On	10	5	15	-	-	-	15
	Rural Youth	Introduction to fish and fish culture (2)	1	4	On	10	5	15	-	-	-	15
		Livelihood improvement of small and marginal farmers through Integrated Agriculture/Horticulture-fish production models with special reference to rice cum fish culture. (3)	1	4	On	10	5	15	-	-	-	15
		Culture and breeding of ornamental fishes for aquaculture species diversification in East Khasi Hills District Meghalaya (2)	1	4	On	10	5	15	-	-	-	15
	Extension Personnel	Pond based integrated farming system models for livelihood improvement of small and marginal farmers of East Khasi Hills District (4)	1	4	On	10	5	15	-	-	-	15

Agril. Extension	Farmer and Farm women	Managing group dynamics (1)	2	4	Off	20	20	40	-	-	-	40
		Mobilization of social capital in villages (2)	3	4	On	45	45	90	-	-	-	90
		Formation and Management of SHGs (2)	3	4	On	45	45	90	-	-	-	90
		Change management (1)	2	4	Off	20	20	40	-	-	-	40
		Gender mainstreaming through SHGs (1)	2	4	Off	20	20	40	-	-	-	40
		Information networking among farmers (1)	2	4	On	20	20	40	-	-	-	40
		Farm Planning and Budgetting (2)	2	4	On	20	20	40	-	-	-	40
	Rural Youth	Capacity building for ICT application (2)	3	4	On	45	45	90	-	-	-	90
		Entrepreneurial development of farmers/ youths (2)	3	4	On	45	45	90	-	-	-	90
		Leader ship development in villages (1)	2	4	Off	20	20	40	-	-	-	40
		Mobilization of social capital in villages (2)	3	4	Off	30	30	60	-	-	-	60
	Extension Personnel	Capacity building for ICT application (7)	2	4	On	20	20	40	-	-	-	40
	Rural Youth (Vocational)	Project Management for Rural Educated Unemployed Youths (3)	2	4		20	20	40	-	-	-	40
KVK South Garo Hills, Meghalaya												
Agronomy	Farmer and Farm women	Zero Tillage practice in Rice fallow (3)	1	3	Off	10	15	25	-	-	-	25
		Importance of Maize+Legume(3)	1	3	Off	12	13	25	-	-	-	25
		Organic package of practices of Maize(3)	1	3	Off	12	13	25	-	-	-	25
	Rural Youth	Integrated Weed Management in rice (3)	1	3	Off	11	14	25	-	-	-	25
		Nutrient management in winter vegetables crops (3)	1	3	Off	12	13	25	-	-	-	25
	Extension Personnel	Role and Importance of Bio-Fertilizers (3)	1	3	Off	10	10	20	-	-	-	20

	Rural youth (Vocational)	Composting (6)	1	6	On	10	10	20	-	-	-	20
Horticulture	Farmer and Farm women	Off-Season vegetable production (3)	1	3	Off	12	13	25	-	-	-	25
		Rejuvenation technique in Khasi Mandarin (3)	1	3	Off	10	15	25	-	-	-	25
		Layout of orchard (3)	1	3	Off	08	17	25	-	-	-	25
	Rural Youth	Staggering in Pineapple (3)	1	3	Off	10	15	25	-	-	-	25
	Extension Personnel	Cultivation of Flower under Green House Technology (3)	1	3	Off	08	12	20	-	-	-	20
	NGO (including school drop outs)	Rejuvenation technique in Cashew and Khasi Mandarin (3)	1	3	Off	10	15	25	-	-	-	25
	Rural youth (Vocational)	Protected cultivation techniques (6)	1	6	On	10	10	20	-	-	-	20
Plant Protection	Farmer and Farm women	Management of important pests and diseases of paddy(3).	1	3	Off	13	12	25	-	-	-	25
		Integrated Pest Management of Cole crops(3)	1	3	Off	14	11	25	-	-	-	25
		Production of IPM inputs(3)	1	3	Off	10	15	25	-	-	-	25
	Rural Youth	Oyster Mushroom cultivation(3)	1	3	Off	10	15	25	-	-	-	25
		Scientific Bee Keeping(3)	1	3	Off	11	14	25	-	-	-	25
	Extension Personnel	On farm production of bio-control agents. (3)	1	3	Off	10	10	20	-	-	-	20
	Rural youth (Vocational)	Cultivation of Oyster Mushroom (6)	1	6	Off	10	10	20	-	-	-	20
Livestock Production	Farmer and Farm women	Backyard poultry – a source of income(3)	1	3	Off	12	13	25	-	-	-	25
		Duckery management(3)	1	3	Off	10	15	25	-	-	-	25
		Common Livestock diseases and its control(3)	1	3	Off	12	13	25	-	-	-	25
	Rural Youth	Control and Management of diseases in pig. (3)	1	3	Off	13	12	25	-	-	-	25
		Duck farming and management. (3)	1	3	Off	10	15	25	-	-	-	25
	Extension Personnel	Common livestock ailments and its control. (3)	1	3	On	10	10	20	-	-	-	20
	Rural youth (Vocational)	Quail Farming (6)	1	6	On	10	10	20	-	-	-	20
Fisheries	Farmer and Farm women	Carp fry and fingerlings production(3)	1	3	Off	10	15	25	-	-	-	25

		Fish cum duck farming(3)	1	3	Off	15	10	25	-	-	-	25
		Floating fish feed as supplementary feed in carp culture(3)	1	3	Off	10	15	25	-	-	-	25
	Rural Youth	Integrated fish farming(3)	1	3	Off	15	10	25	-	-	-	25
		Biofloc technology(3)	1	3	Off	12	13	25	-	-	-	25
	Extension Personnel	Recent technologies of aquaculture (3)	1	3	On	10	5	15	-	-	-	15
	Rural youth (Vocational)	Carp seed production (6)	1	6	Off	10	10	20	-	-	-	20
Agricultural Engineering	Farmer and Farm women	Importance of water harvesting structure. (3)	1	3	OFF	12	13	25	-	-	-	25
		Demonstration cum Training programme on used of Zero Till Drill(3)	1	3	OFF	10	15	25	-	-	-	25
		Importance of weeding(3)	1	3	OFF	10	15	25	-	-	-	25
	Rural Youth	Importance of micro irrigation system(3)	1	3	OFF	12	13	25	-	-	-	25
		Training cum demonstration on attachment of different farm implemets on tractor(3)	1	3	OFF	12	13	25	-	-	-	25
	Extension Personnel	Scope and benefits of using Reaper cum Binder in harvesting of rice(3)	1	3	ON	10	10	20	-	-	-	20
	Rural youth (Vocational)	Training programme on familiarization with tractor and its different equipment. (3)	1	6	ON	-	20	20	-	-	-	20
KVK West Garo Hills, Meghalaya												
Agronomy	Farmer and Farm women	Cultivation techniques of Sali Paddy (3)	1	3	Off	12	8	20	-	-	-	20
		Package of practices for cultivation of Rabi Pulses(3)	1	3	Off	10	10	20	-	-	-	20
		Cropping intensification (2)	1	3	On	9	11	20	-	-	-	20
	Rural Youth	Scientific cultivation of major oilseed crops of Garo Hills (2)	1	3	Off	9	11	20	-	-	-	20
	Extension Personnel	Climate change mitigation measures (3)	1	3	Off	14	6	20	-	-	-	20

Soil Science	Farmer and Farm women	Nutrient deficiency symptoms and their remedies (2)	1	3	On	10	10	20	-	-	-	20
		Low cost vermicomposting (2)	1	3	On	12	8	20	-	-	-	20
		Soil sampling and its testing (4)	1	3	Off	11	9	20	-	-	-	20
		Method s of organic manure application in rabi crops (2)	1	3	Off	10	10	20	-	-	-	20
		Rural composting (2)	1	3	Off	11	9	20	-	-	-	20
	Rural Youth	Organic nutrient management of rabi vegetables (2)	1	3	On	10	10	20	-	-	-	20
		Techniques of organic manure production (4)	1	3	Off	11	9	20	-	-	-	20
	Extension Personnel	Soil sampling and testing (3)	1	3	On	15	5	20	-	-	-	20
	Farmer and Farm women (Vocational)	Soil testing through mridraparishak (6)	1	6	On	11	9	20	-	-	-	20
Plant pathology	Farmer and Farm women	IDM in vegetables (5)	1	3	Off	5	10	15	5	10	15	25
	Rural Youth	Oyster mushroom cultivation (15)	3	3	On	15	15	30	15	15	30	60
	Extension Personnel	Oyster mushroom cultivation (5)	1	3	On	5	5	10	5	5	10	20
Animal Science	Farmer and Farm women	Fodder production(3)	1	3	On	10	5	15	-	-	-	15
		Dairy Farming (3)	1	3	On	10	5	15	-	-	-	15
		Backyard Poultry farming(3)	1	3	On	5	10	15	-	-	-	15
		Disease management and Health Care of livestock and Poultry (3)	1	3	Off	5	10	15	-	-	-	15
		Pig farming (3)	1	3	Off	10	10	20	-	-	-	20
		Low cost feeding management in livestock and poultry (3)	1	3	Off	5	10	15	-	-	-	15
	Rural Youth	Commercial Poultry Farming (3)	1	3	On	10	5	15	-	-	-	15

		Dairy Farming (3)	1	3	On	10	5	15	-	-	-	15
		Pig Farming (3)	1	3	Off	10	5	15	-	-	-	15
	Extension Personnel	Disease management and Health Care of livestock and Poultry (3)	1	3	On	5	5	10	-	-	-	10
	Rural Youth (Vocational)	Poultry Farming (3)	1	6	On	10	5	15	-	-	-	15
KVK West Khasi Hills, Meghalaya												
Plant Protection	Farmer and Farm women	Importance and nutritional benefits of mushrooms and Scientific Cultivation of mushroom (1) Use of biogents in plant disease management (1) Role of biopesticides in plant disease management and their method of application (1) Major diseases of tomato and IPM in tomato(1) IPM in paddy (1)	10	3-5	On/ Off	125	125	250	-	-	-	250
	Rural Youth	Use of bioagents in plant disease management (1) Importance and nutritional benefits of mushrooms and Scientific Cultivation of mushroom (1)	4	3-5	On/ Off	30	40	70	-	-	-	70
	Extension Personnel	Use of bioagents in plant disease management (1)	2	3-5	On/ Off	10	15	25	-	-	-	25
	Farmer & Farm women (Vocational)	Role of biopesticides in plant disease management and their method of application (1)	1	2	off	10	15	25	-	-	-	25
	Rural Youth (Vocational)	Importance and nutritional benefits of mushrooms and Scientific Cultivation of mushroom (3)	1	7	on	10	15	25	-	-	-	25

Horticulture	Farmer and Farm women	Scientific cultivation of Horticultural Crops, Organic practices,PHM & Value Addition, Improved technologies in Horticulture including Low cost polyhouses utilization, ZECC, Organic methodologies for insect pest & disease management (8)	12	3-7	On/ Off	80	120	200	-	-	-	200
	Rural Youth	PHM & Value Addition Business Potential in Horticulture sector (4)	4	3-7	On/ Off	30	70	100	-	-	-	100
	Extension Personnel	Value Addition, Business Potential n Horticulture sector (2)	1	1-3	On/ Off	5	15	20	-	-	-	20
	Farmer and Farm women (Vocational)	Improved technologies in Horticulture including Low cost polyhouses, Scientific cultivation of Horticultural Crops (2)	2	3-7	On	10	40	50	-	-	-	50
	Rural Youth (Vocational)	PHM & Value Addition and Business Potential in Horticulture sector(2)	2	3-7	On	10	30	40	-	-	-	40
Animal Science	Farmer and Farm women	Manage mental practices in poultry farming, Vaccination and deworming of livestock and poultry, Backyard poultry farming, Housing system for livestocks, management of piglets and pregnant sows, integrated farming system, rearing and management of milch cattle, goat rearing (8)	12	3-7	On/ Off	50	100	150	-	-	-	150
	Rural Youth	Backyard poultry farming , Pig farming (2)	2	3-7	On	20	30	50	-	-	-	50
	Extension Personnel	Backyard poultry farming, (1)	1	1-3	Off	5	15	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Piggery and poultry rearing and management (2)	3	3	On	5	20	25	-	-	-	25
	Rural Youth (Sponsored)	poultry rearing and management (1)	1	3	On	5	15	20	-	-	-	20

Fisheries	Rural Youth	Aquarium and fish tank set up (1)	1	3 -5	On	10	10	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Fish breeding and hatchery management (1) Fish based IFS (1)	2	3	On	5	20	25	-	-	-	25
	Rural Youth (Sponsored)	Fish rearing and Management (1) Aquaculture Worker (1)	2	3	On	5	15	20	-	-	-	20
KVK Ri Bhoi, Meghalaya												
Agronomy	Farmer and Farm women	Crop Diversification by introduction of Pulses (1)	1	2	On	10	10	20	-	-	-	20
		Resource conservation Technology (1)	1	2	On	10	10	20	-	-	-	20
		Introduction of pulses for higher profitability (1)	1	2	On	10	10	20	-	-	-	20
		Zero tillage Management (1)	1	1	On	10	10	20	-	-	-	20
	Rural Youth	Seed production of pulses	1	2	On	15	15	30	-	-	-	20
		Organic farming	1	2	On	15	15	30	-	-	-	20
	Extension Personnel	Integrated farming systems(1)	1	1	On	10	10	20	-	-	-	20
	Rural Youth (Vocational)	Integrated farming systems(1)	1	7	On	10	10	20	-	-	-	20
Horticulture	Farmer and Farm women	Organic Management of Cole Crops Under Polyhouse for Sustainable Income Generation	1	3	On	10	10	20	-	-	-	20
		Organic Management of summer vegetables	1	3	On	10	10	20	-	-	-	20
		Organic Management of Ginger & Turmeric	1	3	On	10	10	20	-	-	-	20
		Organic Management of Pine apple	1	3	On	10	10	20	-	-	-	20
	Rural Youth	Protected cultivation of flowers	1	2	On	5	5	10	-	-	-	10
	Extension Personnel	IIHR varieties suitable for NEH region	1	2	On	5	5	10	-	-	-	10
	NGO(including school drop-outs)	Use of polyhouse for vegetable production	1	3	On	10	5	15	-	-	-	15

	Rural Youth (Sponsored)	ASCI – Nursery Grower	1	25	On	5	15	20	-	-	-	20
		STRY Nursery management	1	7	On	5	10	15	-	-	-	15
	Rural Youth (Vocational)	Nursery management	1	7	On	5	10	15	-	-	-	15
Soil Science	Farmer and Farm women	Vermicomposting production	1	2	Off	10	10	20	-	-	-	20
		Soil health management	1	2	Off	10	10	20	-	-	-	20
		Integrated nutrient management	1	2	Off	10	10	20	-	-	-	20
		Acidic soil management	1	2	Off	10	10	20	-	-	-	20
		Use of biofertilizer for higher crop production	1	2	Off	10	10	20	-	-	-	20
		Organic manure for crop cultivation through vermicomposting	1	2	Off	10	10	20	-	-	-	20
	Rural Youth	Production of organic inputs for higher crop productivity	1	2	On	15	15	30	-	-	-	30
		Vermicomposting production (1)	1	2	On	5	5	10	-	-	-	10
	Extension Personnel	Soil health management for higher productivity	1	1	On	5	5	10	-	-	-	10
	Rural Youth (Sponsored)	Organic inputs production	1	2	On	10	10	20	-	-	-	20
		Vermicomposting production (1)	1	2	On	10	10	20	-	-	-	20
	Farmer and Farm women (Vocational)	Integrated nutrient management	6	2	On		10	10	-	-	-	10
Plant Protection	Farmer and Farm women	Cultivation of Oyster mushroom (1)	1	3	Off	10	10	20	-	-	-	20
		Management of stem borer in ginger with bio pesticide	1	3	Off	10	10	20	-	-	-	20
		Management of soft rot of ginger with bio pesticide	1	3	Off	10	10	20	-	-	-	20

		Biological control of chilli pests	1	3	Off	10	10	20	-	-	-	20
		Biological control of downey mildew of cole crops in nursery bed	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Cultivation of winter mushroom	1	3	On	10	10	20	-	-	-	20
	Extension Personnel	Organic management of pests and diseases of ginger & turmeric	1	5	On	10	10	20	-	-	-	20
	Rural Youth (Vocational)	Scientific Bee keeping	1	7	On	10	10	20	-	-	-	20
Home science	Farmer and Farm women	Value addition of jackfruit	1	3	Off	-	20	20	-	-	-	20
		Value addition of tamarind	1	3	On	-	20	20	-	-	-	20
		kitchen gardening for rural farm women	1	3	Off	-	20	20	-	-	-	20
		Value addition of Maize	1	3	On	-	20	20	-	-	-	20
		Spices preparation from locally available ingredients	1	3	On	-	20	20	-	-	-	20
		RTS Beverages from locally available fruits	1	3	Off	-	20	20	-	-	-	20
		Value addition of Tuber crops	1	3	Off	-	20	20	-	-	-	20
	Rural Youth	Value addition of meat and fish	1	6	On	-	20	20	-	-	-	20
	Extension Personnel	RTS Beverages from locally available fruits	1	3	Off	-	20	20	-	-	-	20
	Rural youth (vocational)	Income generating activities for rural youth and farm women.	1	6	On	-	20	20	-	-	-	20
Fisheries Science	Farmer and Farm women	Feed and feeding management in carps	1	3	On	10	10	20	-	-	-	20
		Value addition of fish and fish products	1	3	Off	10	10	20	-	-	-	20
		Disease management in carps	1	3	Off	10	10	20	-	-	-	20
		Value addition of fish and fish products	1	3	Off	10	10	20	-	-	-	20
	Rural Youth	Fish Feed formulation and production	1	3	On	15	5	20	-	-	-	20
		Integrated fish-piggery culture	1	3	Off	15	5	20	-	-	-	20
	Extension Personnel	Recent advances in fisheries and aquaculture	1	3	On	15	5	20	-	-	-	20

		development										
	Rural Youth (Vocational)	Socio Economic upliftment of women through integrated farming (Poultry cum Fish)	1	6	Off	15	5	20	-	-	-	20
KVK Jaintia Hills, Meghalaya												
Agronomy	Farmer and Farm women	Organic agriculture (4)	3	4	Off	15	15	30	-	-	-	30
		Resource conservation practices (4)	3	4	Off	15	15	30	-	-	-	30
		Soil Health Management (4)	3	4	Off	15	15	30	-	-	-	30
	Rural Youth	Vermicomposting (4)	1	2	On	15	15	30	-	-	-	30
		Berkeley composting (4)	1	2	On	15	15	30	-	-	-	30
	Extension Personnel	Improved agronomic technologies for doubling farmers income (8)	1	4	On	30	30	60	-	-	-	60
	Rural Youth (Vocational)	Value addition in cereal (4)	1	4	On	15	15	30	-	-	-	30
		On and Off farm waste management(4)	1	4	On	15	15	30	-	-	-	30
	Farmer and Farm women (Sponsored)	Vermicompost producer (94)	1	25	Off	9	11	20	-	-	-	20
	Rural Youth (Sponsored)	Vermicomposting (10)	1	7	Off	7	8	15	-	-	-	15
		Vermicomposting (10)	1	7	Off	-	-	-	-	-	-	-
Horticulture	Farmer and Farm women	Orchard management (4)	1	4	Off	15	15	30	-	-	-	30
		Package of practices of ginger and turmeric (4)	1	4	Off	15	15	30	-	-	-	30
		Package of practices of pineapple cultivation (4)	1	4	Off	15	15	30	-	-	-	30
	Rural Youth	Seed production of horticultural crops (4)	1	4	Off	15	15	30	-	-	-	30

	Extension Personnel	Pre and post harvest management of horticultural crops (4)	1	4	On	10	10	20	-	-	-	20
	Rural Youth (Vocational)	Value addition of horticultural crops(10)	1	5	On	10	10	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Organic grower (15)	1	21	Off	10	15	25	-	-	-	25
Plant protection	Farmer and Farm women	Eco friendly management of pests and diseases in turmeric (4)	1	4	Off	15	15	30	-	-	-	30
		Eco friendly management of pests and diseases in tomato (4)	1	4	Off	15	15	30	-	-	-	30
		Eco friendly management of pests and diseases in Pea (4)	1	4	Off	15	15	30	-	-	-	30
		Integrated pest management in fruits (4)	1	4	Off	15	15	30	-	-	-	30
	Rural Youth	Role of bioagents for pest & disease management (4)	1	4	On	25	25	50	-	-	-	50
		Indigenous plant extract for plant protection measures (4)	1	4	On	20	20	40	-	-	-	40
	Extension Personnel	IPM in Horticultural crops (4)	1	4	On	15	15	30	-	-	-	30
		Role of bioagents in modern agriculture (4)	1	4	On	15	15	30	-	-	-	30
	Rural Youth (Vocational)	Cultivation of oyster mushroom (2)	1	2	On	7	8	15	-	-	-	15
		Value addition of oyster mushroom (2)	1	2	On	7	8	15	-	-	-	15
	Farmer & Farm women (Sponsored)	Beekeeper (15)	1	26	Off	12	8	20	-	-	-	20
Animal Science	Farmer and Farm women	Poultry Farming (4)	1	4	Off	15	15	30	-	-	-	30
		Piggery Farming (4)	1	4	Off	15	15	30	-	-	-	30

		Dairy Farming (4)	1	4	Off	15	15	30	-	-	-	30
		Integrated Farming System (4)	1	4	Off	15	15	30	-	-	-	30
	Rural Youth	Poultry Farming (4)	1	4	On	15	15	30	-	-	-	30
		Piggery Farming (4)	1	4	On	15	15	30	-	-	-	30
		Integrated Farming System(4)	1	4	On	15	15	30	-	-	-	30
	Extension Personnel	Technology for doubling Farmers Income (4)	1	4	On	15	15	30	-	-	-	30
		Poultry farming (4)	1	4	On	15	15	30	-	-	-	30
	Rural Youth (Vocational)	Poultry Farming (4)	1	4	On	15	15	30	-	-	-	30
	Farmer and Farm women (Sponsored)	Small Poultry Grower (20)	1	29	Off	12	13	25	-	-	-	25
	Rural Youth (Sponsored)	Poultry rearing & management (6)	1	7	Off	8	7	15	-	-	-	15
		Feed and fodder management Poultry rearing and management (6)	1	7	Off	-	-	-	-	-	-	-
		Poultry rearing & management (6)	1	7	Off	-	-	-	-	-	-	-
Fisheries Science	Farmer and Farm women	Common carp breeding and seed production (4)	1	4	Off	15	15	30	-	-	-	30
		Composite Fish culture (4)	1	4	Off	15	15	30	-	-	-	30
		Scientific fish rearing and management practices (5)	1	4	Off	15	15	30	-	-	-	30
	Rural Youth	Integrated Farming System (8)	1	5	On	25	25	50	-	-	-	50
		Value addition in fish (4)	1	4	On	20	20	40	-	-	-	40
	Extension Personnel	Carp breeding and seed production (8)	1	5	On	10	10	20	-	-	-	20

	Rural Youth (Vocational)	Value addition in fish (4)	1	4	On	15	15	30	-	-	-	30
	Rural Youth (Sponsored)	Fish rearing& management (5)	1	7	Off	7	8	15	-	-	-	15
Agril Extension	Farmer and Farm women	Training on formation of SHG (5)	1	4	Off	0	30	30	-	-	-	30
		State and Centrally sponsored Agricultural and rural development schemes (4)	1	4	Off	15	15	30	-	-	-	30
		Importance of e-Governance in Agriculture development (3)	1	3	Off	15	15	30	-	-	-	30
		Scope and importance of Agri-preneurship development (4)	1	4	Off	15	15	30	-	-	-	30
	Rural Youth	Importance of value chain analysis in agriculture as a scope of entrepreneurship development for rural youth (8)	1	4	On	25	25	50	-	-	-	50
		State and Centrally sponsored Agricultural and rural development schemes (4)	1	2	On	20	20	40	-	-	-	40
	Extension Personnel	Market-led Agricultural Extension (4)	1	2	On	15	15	30	-	-	-	30
		Importance of Farming Situation Based Extension (4)	1	2	On	15	15	30	-	-	-	30
KVK Aizawl, Mizoram												
Agronomy	Farmer and Farm women	Integrated weed Management in Rice	1	3	Off	32	8	40				40
		INM in SRI	1	3	Off	43	12	55				55
		Importance of crop rotation for improving soil health	1	3	On	35	13	48				48
		Integrated weed management in Maize	1	3	Off	46	13	59				59

		Organic nutrient management in Baby Corn	1	3	On	38	16	54				54
		Nutritional approach for organic farming	1	3	On	34	17	51				51
	Rural Youth	Vermicomposting	1	3	Off	13	3	16		-	-	16
Horticulture	Farmer and Farm women	Hi-tech nursery management	1	3	On	15	22	37				37
		Management of potted plants	1	3	On	10	10	20				20
		Protected Cultivation of High value vegetables crops	1	3	On	10	10	20				20
		Production technology of major flower	1	3	On	16	20	36				36
		Post harvest technology of major horticultural crops	1	3	On	8	20	30				30
		Export potential of ornamental	1	3	Off	10	10	20				20
		Production technology of Major vegetables crops under Aizawl district of Mizoram condition	1	3	Off	10	10	20				20
		Citrus rejuvenation	1	3	Off	15	15	30				30
		Improved package and practices of major fruits of Mizoram	1	3	Off	12	13	25				25
		Water managements in horticulture crops	1	3	Off	10	5	15				15
		Training and Pruning in fruit crops	1	3	Off	10	10	20				20
		Post-harvest management of vegetables crops	1	3	Off	10	10	20				20
	Rural Youth	Low volume high value crops	1	3	On	10	8	18				18
		Nutritional gardening	1	3	On	10	10	20				20
		Diversified farming	1	3	On	10	10	20				20

		Protected Cultivation of High value crops	1	3	Off	10	10	20				20
		Organic farming of Vegetables crops in Aizawl	1	3	Off	15	15	30				30
	Extension Personnel	Protected Cultivation of High value crops	1	3	On	15	15	30				30
		Training on Organic Farming for Sustainable Hill Agriculture	1	3	On	10	15	25				25
	Farmer and Farm women (Vocational)	Organic production of vegetables crops	1	15	On	20	10	30				30
		High value horticultural crops production & technique	1	16	On	20	10	30				30
	Extension Personnel (Vocational)	Protected Cultivation of High value crops	1	15	On	15	15	30				30
Plant Protection	Farmer and Farm women	Common pests & diseases of pulses & their management practices	1	3	Off	15	15	3	-	-		3
		Common Pests & diseases of citrus & their management practices	1	3	Off	15	15	3				3
		Precautions & safety handling of Agri chemicals	1	3	On	15	15	3	-	-		3
		Organic Pest & disease management	1	3	On	15	15	3	-	-		3
		IPM in Rice	1	3	Off	15	15	3	-	-		3
		Common pests & diseases of dragon fruit & their management	1	3	Off	15	15	3	-	-		3
		Pests & disease mnght in Cole crops	1	3	Off	15	15	3	-	-		3
	Rural Youth	Mushroom cultivation	1	3	Off	15	15	3				3
		Precautions & safety handling of Agri chemicals	1	3	On	15	15	3	-	-		3
	Extension Personnel	Integrated Pests & disease management of crops	1	3	On	1	1	2	-	-		2

Home Science	Farmer and Farm women	Training on health and nutrition of the Family (3)	1	3	on	-	33	33				33
		Practical demonstration on food processing Technology (3)	1	3	Off		30	30				30
		Practically demonstration on preservation techniques in fruits and Vegetables (3)	1	3	On	-	30	30	-	-	-	30
		Training on nutrition and Hygienic practice at home (2)	1	3	Off	-	25	25				25
	Rural Youth	Preparation techniques of probiotic foods (2)	1	3	On	-	25	25				25
		Post Harvest Technology (2)	1	3	On		34	34				34
		Value Addition (2)	1	3	Off	10	16	26				26
		Training on Health and Nutrition of the Adolescent. (2)	1	3	Off	0	30	30				30
	Extension Personnel	Value addition(2)	1	3	On	0	25	25				25
	NGO	Nutrition of the Family (2)	1	3	Off	10	15	25				25
	Farmer and Farm women (Vocational)	Fruits and Vegetables preservation technology (2)	1	3	On	0	30	30				30
	Rural Youth (Vocational)	Practical Demonstration on stitching (2)	1	3	Off	0	30	30				30
	Farmer and Farm women (Sponsored)	Post Harvest Technology (1)	1	3	On		25	25				25
	Rural Youth (Sponsored)	Income generation (1)	1	3	On		25	25				25
	Extension Personnel (Sponsored)	Value Addition (1)	1	3	On		30	30				30

Agril Engineering	Farmer and Farm women	Training on Resource conservation (1)	1	3	On	12	38	50				50
		Small farm implements viz.: peg type dryland weeder, two wheel hoe, Conoweeder, Naveen dibbler & Manual drawn ridge marker. (1)	1	3	On	25	25	50				50
		Water resources conservation techniques. (1)	1	3	On	30	20	50				50
		Intervention under Protected cultivation: Design components of low cost polyhouse structures (1)	1	3	On	21	19	40				40
		Improved agricultural technology (1)	1	3	Off	27	8	35				35
		Agricultural farm innovative technologies (1)	1	3	Off	25	10	35				35
		Micro irrigation in watermelon (1)	1	3	Off	25	15	40				40
		Sustainable agricultural techniques suitable for Aizawl district (1)	1	3	Off	22	3	25				25
		Doubling farmers' income: suitable small farm implement for hilly region	1	3	Off	32	18	50				50
		Zero Energy cool Chamber: its importance and scope. (1)	1	3	Off	20	10	30				30
		Zero energy cool chamber (1)	1	3	Off	20	10	30				30
		Water conservation & Utilization techniques: Multiple cropping in irrigated command (1)	1	3	Off	39	6	45				45
	Rural Youth	Nursery Management: Micro Sprinkler system for optimal irrigation in nursery (1)	1	3	On	15	15	30				30
		High Value Floriculture: Water management and	1	3	On	15	15	30				30

		optimal irrigation in floriculture practices (1)										
		Rooftop water harvesting system and its components (1)	1	3	On	17	10	27				27
		Resources conservation technologies in IFS (1)	1	3	Off	21	9	30				30
		Bio terracing an approach to soil conservation measures (1)	1	3	Off	19	11	30				30
	Extension Personnel	Climate Change Adaptation Planning in Mizoram under NMSHE: Adaptation to Climate Change in Water Sector (1)	1	3	On	17	8	25				25
		Soil water conservation practices (1)	1	3	Off	25	5	30				30
	Farmer and Farm women (Vocational)	Training on Zero energy cool chamber (1)	1	15	Off	20	10	30				30
		Water conservation & Utilization techniques: Multiple cropping in irrigated command (1)	1	15	Off	39	6	45				45
Fisheries Science	Farmer and Farm women	Polyculture of giant freshwater prawn (1)	1	3	Off	15	10	25				25
		Breeding of common carp (1)	1	3	On	15	10	25				25
		Water quality management (1)	1	3	Off	15	10	25				25
		Feeding management of carps (1)	1	3	Off	15	10	25				25
		Polyculture of silver barb (1)	1	3	Off	15	10	25				25
		Integrated farming systems (1)	1	3	Off	15	10	25				25
		Unconventional feed for fish (1)	1	3	Off	15	10	25				25
		Handling & transportation of fish & fish seeds (1)	1	3	Off	15	10	25				25

	Rural Youth	Fabrication of aquarium (1)	1	3	On	15	10	25				25
		Preparation of fish pickle (1)	1	3	On	15	10	25				25
	Extension Personnel	Value addition of fish & fish products (2)	1	5	On	10	5	15				15
Animal science	Farmer and Farm women	Piggery Farming (2)	1	3	On	15	20	35				35
		Dairy Farming (2)	1	3	On	3	10	13				13
		PRRS and its Impact on (2)	1	3	Off	13	21	34				34
		Poultry Farming (2)	1	3	Off	30	26	56				56
		Livestock Management (2)	1	3	Off	45	47	92				92
	Rural Youth	Value addition in milk (1)	1	3	On	15	10	25				25
		Quail Farming (1)	1	3	Off	5	5	10				10
KVK Champhai, Mizoram												
Agronomy	Farmer and Farm women	Importance of crop rotation for improving soil health(2)	2	2	On/ Off	40	20	60	-	-		60
		Package of practices for cultivation of groundnut (2)	3	2	On	55	35	90	-	-		90
		Scientific cultivation of Field pea & benefits of Rhizobium inoculation (2)	4	2	Off	90	30	120	-	-		120
	Rural Youth	Importance of mulching practices for Rabi crops. (1)	2	1	Off	30	10	40	-	-		40
	Extension Personnel	Method and seed inoculation of Field pea. (1)	1	1	On	10	05	15	-	-		15
Horticulture	Farmer and Farm women	Scientific management of Khasi mandarin(4)	2	3	On	40	20	60	-	-	-	60
		Improve production technology of Onion(6)	3	3	Off	60	30	90	-	-	-	90

		Improved technology in production of Tomato cultivation(2)	1	3	Off	20	10	30	-	-	-	30
	Rural Youth	Production of technology in Tomato(2)	1	3	On	15	5	20	-	-	-	20
		Improve-production technology of Onion and garlic(2)	1	3	Off	15	5	20	-	-	-	20
	Extension Personnel	Improved production technology of Tomato var. Arka Samrat (2)	1	1	On	8	2	10	-	-	-	10
	Farmer and Farm women (Vocational)	Improve-production technology of Ginger(2)	1	3	On	15	5	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Improve production technology of Onion and garlic(2)	1	3	Off	20	10	30	-	-	-	30
Plant Protection	Farmer and Farm women	IPM in Potato(2)	2	2	On & Off	30	15	45	-	-	-	45
		IPM in Mizo Chilli(2)	2	2	On & Off	30	15	45	-	-	-	45
	Farmer and Farm women (Vocational)	IPM in Tomato(1)	1	1	On & Off	20	20	40	-	-	-	40
		Mushroom cultivation(2)	2	2	On & Off	40	25	65	-	-	-	65
		Preparation of Organic Pesticides(1)	1	1	Off	20	20	40	-	-	-	40
		IPM in Citrus (2)	2	2	On & Off	40	25	65	-	-	-	65
	Rural Youth (Vocational)	Mushroom Cultivation(2)	2	1	On	20	20	40	-	-	-	40
		Preparation of Organic Pesticides(2)	2	1	Off	20	20	40	-	-	-	40
	Extension Personnel (Vocational)	Preparation of Organic Pesticides(2)	2	1	On	15	5	20	-	-	-	20
	Farmer and Farm women (Sponsored)	IPM of vegetables, Nursery management(2)	2	2	Off	27	13	40	-	-	-	40

Soil Science	Farmer and Farm women	Promotion of organic farming(1)	6	3	Off	27	13	40	-	-	-	40
		Biofertilizers and its uses(1)	6	3	Off	21	19	40	-	-	-	40
		INM and its importance (1)	6	3	On	12	8	20	-	-	-	20
		Nutrient management in jhumming with special reference to Ginger and Chilli (1)	6	3	On	9	11	20	-	-	-	20
		Vermicomposting and Azolla culture (2)	6	3	Off	19	21	40	-	-	-	40
	Farmer and Farm women (Vocational)	Soil conservation measures (1)	1	3	On	17	13	30	-	-	-	30
	Farmer and Farm women (Sponsored)	Promotion of organic farming (1)	3	3	Off	97	93	190	-	-	-	190
		Soil Fertility Management (1)	3	3	Off	29	31	60	-	-	-	60
	Rural Youth (Sponsored)	Vermicomposting and its uses (3)	3	3	On & Off	87	53	140	-	-	-	140
	Extension Personnel (Sponsored)	Vermicomposting and its uses (1)	1	3	On	17	8	25	-	-	-	25
Agro Forestry	Farmer and Farm women	Importance of nitrogen fixing trees(1)	1	3	On	30	25	55	-	-	-	55
		Concept on Sloping agriculture land technology(1)	2	3	Off	40	20	60	-	-	-	60
		An introduction to bee keeping(1)	2	3	Off	30	20	50	-	-	-	50
	Rural Youth	Importance of nitrogen fixing trees(1)	2	1	On	15	5	20	-	-	-	20
		An introduction to bee keeping(1)	2	1	Off	40	20	60	-	-	-	60
	Extn. Personnel	Concept on sloping agriculture land technology(2)	1	1	On	8	2	10	-	-	-	10

	Farmer and Farm women (Vocational)	Management of hedgerows in agro forestry farming model(1)	2	1	On	10	5	15	-	-	-	15
	Farmer and Farm women	Beneficial effect of tree- crop combination(1)	2	2	Off	25	5	30	-	-	-	30
	Rural Youth	Management of hedgerows in agroforestry farming model (1)	1	2	Off	20	10	30	-	-	-	30
KVK Kolasib, Mizoram												
Horticulture	Farmer and Farm women	Integrated Nutrient Mngt. in Major Fruit Crops of Mizoram (2)	1	2	On	30	15	45	-	-	-	45
		Protected Cultivation techniques for production of high value crops during off-season(1)	1	2	On	25	15	45	-	-	-	45
		Integrated Nutrient Mangement in Ginger (1)	1	2	Off	20	15	35	-	-	-	35
		Package of practices for cultivation of cole crops (2)	1	2	Off	20	10	30	-	-	-	30
	Rural Youth	Mushroom Production (3)	2	2	On	15	10	25	-	-	-	25
		Quality Planting Material Production (2)	1	2	On/ Off	35	30	65	-	-	-	65
	Extension Personnel	Off-season production under Protected Cultivation(2)	1	1	On	30	15	45	-	-	-	45
	Farmer and Farm women (Sponsored)	Citrus rejuvenation (1)	2	2	Off	30	20	50	-	-	-	50
	Rural Youth (Sponsored)	Quality Planting Material Production (1)	2	2	On	25	15	40	-	-	-	40
Soil Science	Farmer and Farm women	INM in paddy (1)	2	2	On	20	15	35	--	-	-	35
		Balance use of fertilizer (1)	3	2	Off	20	10	30	-	-	-	30
		Soil testing and its important for crop production (2)	2	2	Off	17	15	32	-	-	-	32

		In-situ soil moisture conservation (1)	3	2	On	15	5	20	-	-	-	20
		INM in Rajmah (1)	3	2	Off	23	10	33	-	-	-	33
	Rural Youth	Balance use of fertilizer (2)	2	2	On	15	5	20	-	-	-	20
		Rural waste management for sustainable agriculture (1	2	3	Off	25	15	40	-	-	-	40
		Vermi compost production (2)	2	3	Off	30	15	45	-	-	-	45
	Extension Personnel	In situ soil moisture conservation (1)	2	3	On	15	5	20	-	-	-	20
		Organic Farming in relation to Mizoram agriculture system (2)	2	2	Off	15	5	20	-	-	-	20
	Rural Youth (Vocational)	Organic farming (9)	1	6	On	10	5	15	-	-	-	15
Plant Protection	Farmer and Farm women	IPM in Kharif vegetables (1)	5	2	O	30	15	45	-	-	-	45
		Safety use of Plant protection chemicals (1)	5	1	On	10	10	20	-	-	-	20
		Importance and preservation of beneficial insects (1)	5	2	Off	20	5	25	-	-	-	25
		Identification of rice pest and diseases and their management (2)	5	2	On	20	10	30	-	-	-	30
		Biological control (1)	5	1	Off	20	10	30	-	-	-	30
	Rural Youth	Management of soil borne pathogens (2)	2	2	Off	15	5	20	-	-	-	20
		Identification of different plant disease symptoms, disease assessment, severity etc (3)	2	2	Off	40	20	60	-	-	-	60

	Extension Personnel	Effect of climate change with special reference to soil borne plant pathogen and their management. (1)	2	2	On	15	10	25	-	-	-	25
		Identification of different plant disease symptoms, disease assessment, severity etc. (2)	2	2	Off	13	7	20	-	-	-	20
Animal science	Farmer and Farm women	Strategies for enhancing Piggery Production (1)	1	2	On	15	15	30	-	-	-	30
		Management. Prevention & Control of diseases in Pigs (2)	1	2	Off	15	15	30	-	-	-	30
		Diseases of Poultry & its preventive measures (1)	1	2	Off	20	10	30	-	-	-	30
		Economics of Poultry feeding (1)	1	2	On	15	15	30	-	-	-	30
		Strategies for enhancing Milk production (1)	1	2	On	15	15	30	-	-	-	30
	Rural Youth	Integrated farming system (1)	1	2	On/ Off	10	10	20	-	-	-	30
		.Management of Crossbred dairy cows (1)	1	2	On/ Off	15	15	30	-	-	-	30
		Feed & fodder Management (1)	1	2	On	15	10	25	-	-	-	25
		Backyard Poultry farming. (1)	1	2	On	15	15	30	-	-	-	30
		Diseases of Poultry & its preventive measures (1)	1	2	On	10	10	20	-	-	-	20
		Strategies for sustainable poultry farming (1)	1	2	On	10	10	20	-	-	-	20
	Extension Personnel	Zoonotic diseases: risk & Mitigation: Farmers perspective (3)	2	2	On	20	20	40	-	-	-	40
	Farmer and Farm	Strategies for enhancing Piggery Production (2)	2	2	On	10	15	25	-	-	-	25

	women (Sponsored)	Diseases of Poultry & its preventive measures (2)	2	2	On	10	15	25	-	-	-	25
	Rural Youth (Sponsored)	Management of Crossbred dairy cows (2)	1	2	On	10	15	25	-	-	-	25
		Backyard Poultry farming. (2)	1	2	On	10	15	25	-	-	-	25
Agro Forestry	Farmer and Farm women	MPT's for farmers (1)	4	2	On	19	18	37	-	-	-	37
		Agro-forestry for rural livelihood (1)	4	2	On	19	19	39	-	-	-	39
		Integrated farming (2) system (1)	4	2	Off	19	18	37	-	-	-	37
		Minor forest produce and its importance(1)	4	1	Off	19	19	38	-	-	-	38
	Rural Youth	Mushroom cultivation (3)	2	1	On	10	10	20	-	-	-	20
		Organic farming (2)	2	2	Off	10	10	20	-	-	-	20
	Extn. Personnel	Nursery management (1)	2	3	On/Off	33	27	70	-	-	-	70
		Different types of Agroforestry (1)			Off	13	17	30	-	-	-	30
	Farmer and Farm women	Agroforestry and its benefits (1)	1	5	Off	25	25	50	-	-	-	50
	Rural Youth	Agroforestry systems and practices (1)	1	3	On/ Off	20	20	40	-	-	-	40
KVK Lawngtlai, Mizoram												
Agronomy	Farmer and Farm women	Weed management (3)	1	3	On	70	40	110	-	-	-	110
		Nutrient management (3)	1	3	On	78	40	110	-	-	-	110
		Water management (3)	1	3	Off	88	50	138	-	-	-	138
		Nursery management (3)	1	3	Off	60	40	100	-	-	-	100
	Rural Youth	Integrated farming system	1	3	On	45	20	65	-	-	-	65
		Nursery management	1	3	Off	48	20	68	-	-	-	68

	Extension Personnel	Water management	1	3	On	3	2	5	-	-	-	5
		Nursery management	1	3	On	4	1	5	-	-	-	5
		Weed management	1	3	Off	3	2	5	-	-	-	5
Horticulture	Farmer and Farm women	Protected Cultivation of Vegetables	1	3	On & Off	60	35	95	-	-	-	95
		Production Technology of Horticultural crops	1	3	On	50	35	85	-	-	-	85
		Rejuvenation of Khasi Mandarin orchard	1	3	On & Off	40	30	70	-	-	-	70
	Farmer and Farm women (Sponsored)	Nursery Management of Horticultural Crops	1	1	On	30	20	50	-	-	-	50
		Cultivation of Off-Season Vegetables	1	1	Off	30	20	50	-	-	-	50
	Rural Youth	Protected Cultivation of Horticultural Crops.	1	1	On	5	5	10	-	-	-	10
	Extension Personnel	Propagation Techniques of Horticultural Crops	1	2	Off	4	3	7	-	-	-	7
Plant Protection	Rural Youth	Introduction & management of Improved breeds of Poultry (3)	1	3	On	20	10	30	-	-	-	30
		Pig Production & Management (3)	1	3	Off	20	10	30	-	-	-	30
	Farmer and Farm women (Vocational)	Poultry Production & Management (3)	1	3	On	15	5	20	-	-	-	20
	Extension Personnel	Prevalence of Zoonotic Diseases: Its control and prevention (3)	1	3	On	5	5	10	-	-	-	10
Home Science	Farmer and Farm women	Popularization of mango squash preparation(1)	1	2	Off	10	25	35	-	-	-	35
		Popularization of dehydrated pineapple slices preparation using sugar solution(1)	1	2	Off	10	20	30	-	-	-	30

		Preservation techniques of colocasia fluorescent (Baibing)	1	2	On	-	25	25	-	-	-	25
		Value addition and preservation of banana	1	2	On	-	25	25	-	-	-	25
		Popularization of dehydrated pineapple slices preparation using sugar solution(2)	1	2 days	Off Campus	5	15	20	-	-	-	20
	Rural Youth	Popularization of mango squash preparation(1)	1	1	On	-	15	15	-	-	-	15
		Preservation of Corn	1	2	On	-	15	15	-	-	-	15
	Extn. Personnel	Popularization of mango squash preparation(1)	1	1	Off	5	5	10	-	-	-	10
Agricultural Extension Agronomy	Farmer and Farm women	Training on capacity building of women SHG's(1)	1	2	0n	-	30	30	-	-	-	30
		Training on formation of SHG(1)	1	2	On	-	30	30	-	-	-	30
		Training on small scale income generating enterprises(1)	1	2	Off	40	30	70	-	-	-	70
		Training on Leadership development in villages(1)	1	2	Off	45	30	75	-	-	-	75
		Training on formation of farmers interest group(1)	1	2	On	35	25	60	-	-	-	60
		Training on formation of farmers club(1)	1	2	Off	45	30	75	-	-	-	75
	Rural Youth	Training on small scale income generating enterprises(1)	1	2	On	20	15	35	-	-	-	35
		Training on ICT application in agriculture(1)	1	2	Off	20	15	35	-	-	-	35
		Training on different schemes of government related to agriculture and allied (1)	1	2	On	25	20	45	-	-	-	45
	Extension Personnel	Training on ICT application in agriculture(1)	3	2	On	5	3	8	-	-	-	8

		Training on formation of farmers interest group in the village(1)		2	Off	6	3	9	-	-	-	9
		Training on formation of farmers club(1)		2	On	4	3	7	-	-	-	7
KVK Lunglei, Mizoram												
Agronomy	Farmer and Farm women	Weed management in *kharif* crops(1)	1	2-3	Off	25	5	30	-	-	-	30
		Integrated nutrient management in rice(1)	1	2-3	On	30	5	35	-	-	-	35
		Integrated farming system (1)	1	2-3	Off	25	5	25	-	-	-	25
		Package of practices of maize(1)	1	2-3	Off	20	5	30	-	-	-	30
		Rain water harvesting techniques and irrigation(1)	1	2-3	Off	25	5	30	-	-	-	30
		Seed multiplication of HYV of*kharif* crops (1)	1	2-3	On	20	5	30	-	-	-	30
		Micro irrigation techniques and system (1)	1	2-3	Off	30	5	35	-	-	-	35
		Package of practices of oil seed production(1)	1	2-3	Off	20	5	25	-	-	-	25
	Rural Youth	Organic compost production (1)	1	2-3	Off	20	5	25	-	-	-	25
		Cropping system methods (1)	1	2-3	Off	20	5	25	-	-	-	25
		IFS methods (1)	1	2-3	Off	20	5	25	-	-	-	25
		Vermicomposting and its practices (1)	1	2-3	On	20	5	25	-	-	-	25
		Farm machinery (1)	1	2-3	On	15	5	20	-	-	-	20
		Rainfed water harvesting structure and irrigation systems (1)	1	2-3	Off	20	5	25	-	-	-	25
	Extension Personnel	Package of practices of organic cultivation of major crops (1)	1	2-3	Off	30	4	34	-	-	-	34

		Seed production techniques and storage1 (1)	1	2-3	Off	15	1	16	-	-	-	16
Animal Science	Farmer and Farm women	Piggery management	1	2-3	Off	20	10	30	-	-	-	30
		Poultry management	1	2-3	On	25	5	30	-	-	-	30
		Diseases of pigs and their prevention	1	2-3	Off	30	9	39	-	-	-	39
		Diseases of poultry and prevention	1	2-3	Off	15	5	20	-	-	-	20
		Feeding of livestock	1	2-3	Off	20	10	30	-	-	-	30
	Farmer and Farm women (Sponsored)	Diseases management of livestock	1	2-3	Off	10	10	20	-	-	-	20
		Feeding management of livestock	1	2-3	Off	20	10	30	-	-	-	30
		Disease awareness programme	1	2-3	Off	20	20	40	-	-	-	40
	Rural Youth	Disease awareness programme	1	2-3	Off	30	5	35	-	-	-	35
		Recent technology for livestock farming	1	2-3	Off	20	5	25	-	-	-	25
	Extension Personnel	Diseases awareness and bio-security	1	2-3	On	20	10	30	-	-	-	30
Home Science	Farmer and Farm women	Importance of post harvest techniques	1	2-3	Off		25	25	-	-	-	25
		Value addition on locally available fruits and vegetables	1	2-3	On		25	25	-	-	-	25
		Food preservation & processing	1	2-3	On		25	25	-	-	-	25
	Farmer and Farm women (Sponsored)	Food preservation & processing	1	2-3	Off		25	25	-	-	-	25
	Rural Youth	Value addition on locally available fruits and vegetables	1	2-3	On	5	15	20	-	-	-	20

		Food preservation & processing	1	2-3	Off	5	15	20	-	-	-	20
		Value addition on Ginger/Bamboo shoot	1	2-3	On	30			-	-	-	30
	Rural Youth (Sponsored)	Value addition on Mango	1	2-3	Off		25	25	-	-	-	25
		Value addition on Ginger/Bird eye chilli	1	2-3	Off		25	25	-	-	-	25
	Extn. Personnel	Nutritional enrichment of locally grown fruits and vegetables	2	2-3	Off		25	25	-	-	-	25
Horticulture	Farmer and Farm women	Package of practices of Tomato(1)	1	2-3	On	25	10	35	-	-	-	35
		Citrus rejuvenation(1)	1	3-4	Off	35	20	55	-	-	-	55
		Package of practices of Off season Cabbage(1)	1	2-3	Off	50	10	60	-	-	-	60
		Package of practices of Garden Pea(1)	1	2-3	On	20	10	30	-	-	-	30
		Nursery management for winter vegetables(1)	1	3-4	Off	55	30	85	-	-	-	85
		Weed management in horticulture crops	1	2-3	On	45	10	55	-	-	-	55
	Farmer and Farm women (Vocational)	Nursery management of winter vegetables(1)	1	4-5	On	20	5	25	-	-	-	25
		Rejuvenation of Citrus(1)	1	4-5	On	15	10	25	-	-	-	25
	Farmer and Farm women (Sponsored)	Nursery management for vegetables(2)	2	2-3	Off	50	20	70	-	-	-	70
		Package of practices of Winter vegetables(2)	2	2-3	On	65	15	80	-	-	-	80
	Rural Youth	Nursery management for summer vegetables(1)	1	3-4	On	45	5	50	-	-	-	50
		Method demonstration on preparation of Bordeaux mixture(1)	1	2-3	Off	20	10	30	-	-	-	30
	Rural Youth	Nursery and weed management of winter vegetables(1)	1	2-3	On	20	5	25	-	-	-	25

	(Vocational)											
	Rural Youth (Sponsored)	Nutrient management in kharif vegetables (1)	1	2-3	Off	15	10	25	-	-	-	25
		Off season cultivation of vegetables(1)	1	2-3	On	20	-	20	-	-	-	20
	Extension Personnel	Weed management of horticulture crops(1)	1	2-3	On	15	10	25	-	-	-	25
	Extension Personnel (Sponsored)	Off season vegetables cultivation(1)	1	2-3	Off	15		15	-	-	-	15
		Nutrient management of Pineapple(1)	1	2-3	On	10	5	15	-	-	-	15
Soil Science	Farmer and Farm women	Practices of organic farming	2	(5)	Off	25	20	45	-	-	-	45
		Soil conservation methods	2	(3)	Off	30	5	35	-	-	-	35
		Management of problem soils	3	(5)	Off	25	10	35	-	-	-	35
		Importance of soil testing	3	(3)	Off	30	5	35	-	-	-	35
		Manuring and green manuring	2	(4)	Off	25	5	30	-	-	-	30
		Integrated Nutrient Management	2	(5)	Off	23	7	30	-	-	-	30
		Uses of chemical fertilizers and its functions	3	(4)	Off	25	5	30	-	-	-	30
		Study on deficiency symptoms	3	(4)	Off	30	5	35	-	-	-	35
	Farmer and Farm women (Vocational)	INM in mandarin orange	2	(3)	On	30	7	37	-	-	-	37
		INM in vegetables	2	(3)	On	25	5	30	-	-	-	30
		Study on deficiency symptoms of vegetable crops	2	(4)	On	30	5	35	-	-	-	35
	Farmer and Farm women (Sponsored)	Organic grower	1	(21)	On	12	8	20	-	-	-	20
		Enrich compost production	2	(3)	On	11	6	17	-	-	-	17
	Rural Youth	Vermicomposting business approach	4	(5)	On	25	5	30	-	-	-	30

		Organic crop production	2	(4)	On	22	10	32	-	-	-	32
	Rural Youth (Vocational)	Vermicomposting technology	3	(5)	On	24	11	35	-	-	-	35
		Soil sampling technique	1	(3)	Off	12	4	16	-	-	-	16
	Rural Youth (Sponsored)	Vermicomposting	2	(5)	On	16	7	23	-	-	-	23
		Soil Testing technique	1	(6)	Off	14	7	21	-	-	-	21
	Extension Personnel	Uses of chemical fertilizers and its functions	2	(4)	On	10	15	25	-	-	-	25
		Study on deficiency symptoms	2	(3)	Off	10	10	20	-	-	-	20
	Extension Personnel (Sponsored)	Soil testing technique	1	(3)	Off	10		10	-	-	-	10
KVK Mamit, Mizoram												
Horticulture	Farmer and Farm women	Cultivation of Fruit crops (4)	1	3	Off	15	10	25	-	-	-	25
		Plant propagation techniques (3)	1	2	On	15	10	25	-	-	-	25
		Nursery Management of horticultural crops (5)	1	3	Off	15	10	25	-	-	-	25
		Protected cultivation of vegetable crops(6)	1	5	On	15	10	25	-	-	-	25
		Good Agricultural practices for cultivation of vegetable crops (4)	1	3	Off	15	10	25	-	-	-	25
	Rural Youth	Organic cultivation of horticultural crops (3)	1	3	Off	15	10	25	-	-	-	25
		Protected cultivation of vegetable crops (6)	1	5	On	15	10	25	-	-	-	25
		Nursery Management of Horticulture crops(3)	1	3	On	15	10	25	-	-	-	25
	Extension Personnel	Organic cultivation of horticultural crops (3)	1	2	Off	10	5	15	-	-	-	15

		Good Agricultural practices for cultivation of Horticultural crops (4)	1	3	On	10	5	15	-	-	-	15
Animal Science	Farmer and Farm women	Deworming and supplements routine in pigs	7	1	On & off	140	70	210	-	-	-	210
	Farmer and Farm women(Vocational)	Layer Poultry Management	10	3	Off	50	50	100	-	-	-	100
	Farmer and Farm women (Sponsored)	IGNOU (DWM and CPF)	10	20	On & off	8	2	10	-	-	-	10
	Rural Youth	Poultry production	1	1	On	15	10	25	-	-	-	25
	Extension Personnel	Integrated Pig and Fish farming	7	1	On	10	5	15	-	-	-	15
	Civil Society	Climate change affecting our day to day lives	10	1	On	30	30	60	-	-	-	60
	NGO (including school drop outs)	Climate change: its adaptation and mitigations.	5	1	On	15	10	25	-	-	-	25
Fishery	Farmer and Farm women	Pre & post stocking management of fish culture ponds	2	3	On	30	14	44				44
		Composite fish culture	2	2	On	25	14	39				39
		paddy cum fish culture	1	2	On	30	14	44				44
		integrated fish farming	2	3	On & Off	25	14	39				39
		Water quality management	2	3	On & Off	30	14	44				44
	Rural Youth	Ornamental fish breeding	1	3	On	15	10	25				25
	Extension Personnel	Water Quality management	1	3	On	7	3	10				10
Agro-forestry	Farmer and Farm women	Training on Cultivation and management of Bamboo (03)	3	3	On & Off	15	05	25				25

		Training on Canopy management with special reference to Tree Bean (03)	3	3	On & Off	18	07	25				25
		Training on the importance of Raised & Sunken bed technology & Relay cropping system (02)	2	2	On & Off	17	08	25				25
		Training on Intercropping with special reference to Arecanut& Mizo Bird's eye chilli (2)	2	2	On & Off	15	10	25				25
		Training on The importance and Role of Trees on Hilly slope (02)	2	2	On & Off	15	10	25				25
		Training on Safety usage and handling on Agriculture chemicals (03)	3	3	On & Off	15	10	25				25
	Farmer and Farm women (Vocational)	Training on Cultivation of Mushroom	01	07	On	15	10	25	-	-	-	25
	Rural Youth	Training on Safety usage and handling on Agriculture chemicals (01)	01	01	On	5	5	10				10
		Training on Cultivation of Mushroom (02)	02	02	On & Off	10	10	20				20
		Training on the importance and Role of Trees on Hilly slope for afforestation (02)	02	02	On & Off	10	05	15				15
		Agro-forestry: An alternative to jhum cultivation (02)	02	02	On & Off	12	11	23				23
		Different Agro-forestry system (02)	02	02	On & Off	12	10	22				22
		ICAR Three tier system for permanent farming (02)	02	02	On & Off	10	10	20				20
		Integrated farming system (02)	02	02	On & Off	15	15	30				30
	Rural Youth (Sponsored)	Training on Vermicomposting (01)	01	01	On	20	15	35	-	-	-	35

	Extn. Personnel	Training on Mushroom cultivation (01)	01	01	On	10	05	15				15
		Training on Handling of Agri. Chemicals (01)	01	01	Off	10	05	15				15
KVK Serchhip, Mizoram												
Agronomy	Farmer and Farm women	Integrated Nutrient Management in Maize and Cowpea(1)	1	3	On	20	10	30				30
		Integrated Crop Management and Role of PGR in Sugarcane (1)	1	3	On	20	10	30				30
		Varietal charcteristics of Toria&Zero Tillage Cultivation practices in Rice fallow (2)	1	2	Off	25	10	35				35
		INM in BBF cultivation in Frenchbean (1)	1	3	Off	25	10	35				35
		INM in Sesamum and conservation measures in Jhum(1)	1	3	On	10	5	35				15
		Importance of Pulses in Rice based cropping system – Relay Cropping of Lentil (1)	1	3	On	10	5	35	-	-	-	15
	Rural Youth	INM in BBF cultivation in Frenchbean (1)	1	2	On	30	5	35	-	-	-	35
Horticulture	Farmer and Farm women	Rejuvenation of orchard (1)	1	2	Off	10	10	20	-	-	-	20
		Round the year production of Off season vegetables production(1)	1	1	On	20	10	30	-	-	-	30
		Management of young orchard (1)	1	1	On	20	10	30	-	-	-	30
		Protective cultivation (1)	1	2	Off	15	5	20				20
		Nutrient management in Brinjal (1)	1	2	Off	15	5	20	-	-	-	20
		Training and Pruning of fruit Crop (1)	1	2	Off	15	5	20	-	-	-	20
		Banana bunch feeding technique (1)	1	2	Off	8	2	10	-	-	-	10

	Rural Youth	Protected cultivation of veg.crop (1)	1	3	On	25	10	35	-	-	-	35
		Round the year production of Offseason vegetable crops (1)	1	1	Off	25	10	35	-	-	-	35
	Extension Personnel	Round the year production of Off season vegetables production(1)	1	1	On	10	-	10	-	-	-	10
Home Science	Farmer and Farm women	Minimization of nutrient loss in cooking (1)	1	1	On	-	20	20	-	-	-	20
		Locally available foods & their nutritive contents (1)	1	1	Off	-	20	20	-	-	-	20
		Gender mainstreaming through SHG (1)	1	1	On	10	10	20	-	-	-	20
		Value addition of Ginger(1)	1	1	On	10	10	20	-	-	-	20
	Farmer and Farm women (Vocational)	Income generation activity(1)	1	1	On	-	20	20	-	-	-	20
	Rural Youth	Income generation activity(Chips making) (1)	1	1	On	-	20	20	-	-	-	20
		Small scale processing & value addition (1)	1	2	On	20	5	25	-	-	-	25
	Extn. Personnel	Women & Child care(2)	2	2	On & Off	-	20	20	-	-	-	20
Agricultural Engineering	Farmer and Farm women	Importance of low cost poly house for small farmers(1)	2	2	Off	40	10	50	-	-	-	50
		Soil and water Conservation technique(1)	1	1	Off	20	5	25	-	-	-	25
		Benefits of micro irrigation systems for horticulture and vegetable crops(1)	1	1	On	20	5	25	-	-	-	25
		Use, operation and maintenance of harvesting and threshing implements(1)	1	1	Off	20	5	25	-	-	-	25
		Post-Harvest Management(1)	1	1	Off	20	10	30	-	-	-	30
	Rural Youth	Low cost poly structures for horticultural crops(1)	1	1	Off	20	5	25	-	-	-	25

		Small scale processing & value addition(1)	1	1	On	20	5	25	-	-	-	25
	Rural Youth (Vocational	Installation and maintenance of Micro irrigation systems(2)	1	1	On	5	15	20	-	-	-	20
Agriculture Extension	Farmer and Farm women	Importance of rain water harvesting (2)	2	2	Both	40	20	60	-	-	-	60
		Farm planning and budgeting (2)	2	2	Both	50	10	60				60
		Information networking among farmers (1)	1	1	On	25	5	30				30
	Farmer and Farm women (Vocational)	Project management for rural educated unemployed youths (3)	1	5	On	15	5	20				20
	Rural Youth	Micro – finance & its significant in agriculture development (1)	1	1	On	20	10	30				30
		Importance of formation of farmers club (1)	1	1	Off	20	10	30				30
	Extension Personnel	Capacity building for ICT application (1)	1	1	On	5	5	10				10
KVK Siaha, Mizoram												
Horticulture	Farmer and Farm women	Orchard management (2)	2	2	On & Off	30	10	40	-	-	-	40
		Nursery management of winter vegetables (2)	2	2	On & Off	20	10	30	-	-	-	30
		Protected cultivation of flower crop (1)	1	1	On	5	20	25	-	-	-	25
		Care and management of tuber crops (1)	1	1	Off	20	5	25	-	-	-	25
		Post harvest management of spices (1)	1	1	Off	20	10	30	-	-	-	30
		Package of practices of vegetables crops (2)	2	2	On & Off	20	10	30	-	-	-	30
		Package of practices of fruit crops (1)	1	1	Off	20	10	30	-	-	-	30
	Rural Youth	Protected cultivation of vegetables (2)	2	2	On & Off	15	5	20	-	-	-	20

		Off season vegetables production (2)	2	2	On & Off	15	5	20	-	-	-	20
	Extension Personnel	Protected cultivation (1)	1	1	On	10	5	15	-	-	-	15
Plant Protection	Farmer and Farm women	IPM in Brinjal and Mustard(1)	1	1	On	20	10	30	-	-	-	30
		IPM in fruit corps (1)	1	1	Off	20	10	30	-	-	-	30
		IPM in Rice (1)	1	1	Off	30	10	40	-	-	-	40
		IDM in tomato (1)	1	1	On	15	5	20	-	-	-	20
		IDM in Okra (1)	1	1	Off	20	10	30	-	-	-	30
		IPM and IDM in vegetable crops (1)	2	2	On	20	5	25	-	-	-	25
	Rural Youth	Bee keeping	1	1	On	30	-	30	-	-	-	30
	Extension Personnel	Bee keeping	1	1	On	20	-	20	-	-	-	20
Animal Science	Farmer and Farm women	Goat rearing and its scientific management (2)	2	2	Off	20	20	40	-	-	-	40
		Mithun production (2)	2	2	Off	20	20	40	-	-	-	40
		Pig farming (1)	1	1	Off	20	20	40	-	-	-	40
		Poultry farming (2)	2	2	On	30	30	60	-	-	-	60
	Farmer and Farm women (Sponsored)	Poultry management	1	1	Off	30	30	60	-	-	-	60
	Rural Youth	Poultry farming (2)	2	2	On	15	5	20	-	-	-	20
		Pig farming (2)	2	2	Off	20	10	30	-	-	-	30

	Rural Youth	Poultry management	1	1	Off	20	10	30	-	-	-	30
	Extension Personnel	Mithun production (1)	1	1	Off	10	-	10	-	-	-	10
Home Science	Farmer and Farm women	Preparation of mango squash and mango bar (2)	2	4	Off	-	30	30	-	-	-	30
		Value addition of jack fruit *viz;* Chips and Pickle (3)	2	5	Off	-	30	30	-	-	-	30
		Cake baking without oven (2)	2	4	Off	-	40	40	-	-	-	40
		Candle making (1)	2	2	On	-	40	40	-	-	-	40
		Soap making (1)	1	2	On	-	40	40	-	-	-	40
	Rural youth	Cake baking without oven (1)	1	2	On	-	20	20	-	-	-	20
	Extn. Personnel	Soap making (1)	1	2	On	-	20	20	-	-	-	20
Agricultural Extension	Farmer and Farm women	Mushroom cultivation (2)	2	2	On	20	15	35	-	-	-	35
		Formation of groups FPO, SHG etc (2)	2	2	Off	15	20	35	-	-	-	35
		Integrated farming system (2)	2	2	Off	10	25	35	-	-	-	35
	Farmer and Farm women (Vocational)	Mushroom cultivation (1)	2	2	Off	20	10	30	-	-	-	30
	Rural Youth	Formation of groups FPO, SHG etc (1)	1	2	On	-	15	15	-	-	-	15
		Integrated farming system (1)	1	2	On	-	15	15	-	-	-	15
	Rural Youth (Vocational)	Mushroom cultivation (1)	2	2	Off	10	10	20	-	-	-	20

	Extension Personnel	Formation of groups FPO, SHG etc (1)	1	1	On	10	10	20				20
KVK Dimapur, Nagaland												
Agronomy	Farmer and Farm women (On & Off)	Packages and practices of cereals, pulses & oilseeds for kharif and rabi season (10)	5	1	Off	70	30	100	-	-	-	100
	Rural Youth (On & Off)	Vermi-composting (2)	1	2	Off	10	10	20	-	-	-	20
Plant Protection (Plant Pathology)	Farmer and Farm women (On & Off)	IPM and IDM on different crops; Pesticides and fungicides handling and application; Biological control of pests and disease and its application and mushroom cultivation (6)	6	9	On/ Off	50	50	100	-	-	-	100
	Rural Youth (On & Off)	Biological control of insect pest and diseases on vegetable crop (1)	1	1	Off	15	10	25	-	-	-	25
	Extension Personnel (On & Off)	Biological control of insect pest and diseases on vegetable crop (1)	1	1	On	10	10	20	-	-	-	20
Animal Science	Farmer and Farm women (On & Off)	Importance of artificial insemination in pigs	1	-	Off	15	15	30	-	-	-	30
		Management of important diseases in livestock and poultry	1	-	Off	15	10	25	-	-	-	25
		Care and management of rabbit	1	-	Off	10	15	25	-	-	-	25
		Training on backyard poultry production with Vanaraja/Srinidhi birds	1	-	Off	10	10	20	-	-	-	20
		Benefits of estrus synchronisation and artificial insemination in pigs	1	-	-	-	15	25	-	-	-	25
		Backyard poultry farming with Kamrupa, a dual chicken variety	1	-	-	-	10	25	-	-	-	25
		Dairy farm management	1	-	-	-	15	25	-	-	-	25
	Rural Youth (On & Off)	Entrepreneurship development through poultry farming	1	-	-	-	15	30	-	-	-	30

Home Science	Farmer and Farm women (On & Off)	Income generating source through value addition from Hort.crops (1)	1	2	Off	-	25	25	-	-	-	25
		Home scale preservation from fruits and vegetables (1)	1	1	Off	-	25	25	-	-	-	25
		Preparation of jackfruit chips as an additional source of income.(1)	1	2	Off	-	30	30	-	-	-	30
		Preparatiopn of squash, jams and pickles from locally available fruits (1)	1	2	Off	-	25	25	-	-	-	25
		Pickle preparation from fruit and Vegetables (1)	1	2	Off	-	25	25	-	-	-	25
	Rural Youth (On & Off)	Value addition in papaya. (1)	1	2	Off	-	20	20	-	-	-	20
		Hands-on training on value addition from fruits and vegetables (1)	1	2	Off	-	25	25	-	-	-	25
		Baking of cakes from tapioca flour (1)	1	2	Off	-	20	20	-	-	-	20
	Extension Personnel (On & Off)	Value addition in Papaya and chow chow(1)	1	2	Off	-	25	25	-	-	-	25
		Income generating source through value addition from fruits and vegetables (1)	1	2	Off	-	25	25	-	-	-	25
KVK Kohima, Nagaland													
Agronomy	Farmer and Farm women (On & Off)	Training on kharif season crops (2)	1	1	Off	15	10	25	-	-	-	25
		Training on improved packages practices on TRC paddy (2)	1	1	Off	15	10	25	-	-	-	25
		Training on oil seed production. (2)	1	1	Off	10	15	25	-	-	-	25
		Training on Pulses production (1)	1	1	On	10	15	25	-	-	-	25
	Rural Youth (On & Off)	Training on Organic farming (2)	1	1	Off	15	10	25	-	-	-	25
	Extension Personnel (On & Off)	Training on productivity enhancement in field crops (2)	1	1	On	20	5	25	-	-	-	25

	NGO-including school drop outs (vocational)	Training on Self Employment (2)	1	1	On	10	10	20	-	-	-	20
Horticulture	Farmer and Farm women (On & Off)	Training on sustainable kitchen gardening for self-sufficiency for rural areas (2)	1	1	Off	0	25	25	-	-	-	25
		Training and pruning of fruit crops (2)	1	1	On	5	20	25	-	-	-	25
		Training on value addition for important horticultural crops (3)	1	1	Off	10	15	25	-	-	-	25
		Training on nursery raising techniques for vegetable cultivation (3)	1	1	On	5	20	25	-	-	-	25
		Training on production management and post-harvest technology in spices (2)	1	1	Off	10	15	25	-	-	-	25
		Training on post-harvest loss reduction and value addition of potential horticultural crops (1)	1	1	Off	10	15	25	-	-	-	25
	Rural Youth (On & Off)	Training on cultivation technique of gerbera (2)	1	1	Off	0	20	20	-	-	-	20
		Training on cultivation of oyster mushroom (3.)	1	1	On	0	20	20	-	-	-	20
	Extension Personnel	Training on Integrated farming system (IFS) (3)	1	1	On	15	10	25	-	-	-	25
	NGO-including school drop-outs (Sponsored)	Training on Self Employment (2)	1	1	On	10	10	20	-	-	-	20
Soil Science	Farmer and Farm women (On & Off)	Training on perspective of shifting cultivation in jhum field. (2)	1	1	Off	19	11	30	-	-	-	30
		Training on production & use of green manure (2)	1	1	On	15	15	30	-	-	-	30
		Training on significant & application of bio control agent for improving soil health in organic agriculture.(2)	1	1	Off	20	10	30	-	-	-	30
		Training on method of application of chemical fertilizer (2).	1	1	Off	21	9	30	-	-	-	30

		Training on technology on water storage for conservation of water (2)	1	1	Off	15	15	30	-	-	-	30
	Rural Youth(On & Off)	Training on consequences of soil erosion & its remedial measure(2)	1	1	Off	20	10	30	-	-	-	30
		Training on skill development in production of enriched compost on soil health. (2)	1	1	On	20	10	30	-	-	-	30
	Extension Personnel (On & Off)	Training on role of extension personal & line department in promotion of organic farming (2)	1	1	On	20	10	30	-	-	-	30
		Training on management & amendment of problematic soil with reference to acidic (2)	1	1	On	20	10	30	-	-	-	30
	NGO (including school drop outs) (Vocational)	Training on Self Employment (2)	1	1	On	10	10	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Training on production & use of green manure -	1	1	On	20	5	25	-	-	-	25
Plant Protection (Entomology/ Plant Pathology/ Nematology)	Farmer and Farm women (On & Off)	Training on Integrated Pest Management (IPM) (2)	1	1	Off	15	10	25	-	-	-	25
		Training on integrated pest management in cereal crops (1)	1	1	Off	15	10	25	-	-	-	25
		Training on Integrated disease management (2)	1	1	Off	10	15	25	-	-	-	25
		Training on bio control of insect pests. (1)	1	1	On	10	15	25	-	-	-	25
		Training on rodent management (1)	1	1	On	15	10	25	-	-	-	25
		Training on IPM and IDM in winter vegetables (2.)	1	1	Off	20	5	25	-	-	-	25
		Training on Integrated pest management in fruits (2.)	1	1	Off	15	10	25	-	-	-	25
		Training on mushroom (2)	1	1	On	15	15	30	-	-	-	30
	Rural Youth (On & Off)	Training on Ericulture (2.)	1	2	On	20	10	30	-	-	-	30
	Extension Personnel (On	Training on recent advances in IPM (1)	1	1	Off	25	5	30	-	-	-	30

	& Off)											
	NGO(including school drop-outs) (vocational)	Training on Self Employment (2)	1	1	On	10	10	20	-	-	-	20
Animal Science	Farmer and Farm women (On & Off)	Training on Disease management in livestock (4)	1	1	Off	15	10	25	-	-	-	25
		Training on Swine production (3)	1	1	Off	15	10	25	-	-	-	25
		Training on Poultry farming (2)	1	1	Off	10	15	25	-	-	-	25
		Training on Disease management in poultry (3)	1	1	On	10	15	25	-	-	-	25
		Integrated farming (2)	1	1	On	15	10	25	-	-	-	25
		.Training on dairy farming (2)	1	1	Off	20	5	25	-	-	-	25
		Training on Feeds and feeding in livestock (2)	1	1	Off	15	10	25	-	-	-	25
	Rural Youth (On & Off)	Training on poultry farming (3)	1	1	Off	15	10	25	-	-	-	25
		Training on pig farming (3)	1	1	On	15	10	25	-	-	-	25
	Extension Personnel (On & Off)	Training on recent advances in livestock and poultry production (3)	1		On	20	5	25	-	-	-	25
	NGO(including school drop-outs) (Vocational)	Training on capacity building	1	1	On	10	10	20	-	-	-	20
	Farmer and Farm women (Sponsored)	Training on poultry farming (3)	1	1	Off	5	15	-	-	-	-	20
Agricultural Extension	Farmer and Farm women (On & Off)	Training on Information and Communication Technology (ICT) applications (1)	1	1	Off	15	15	30	-	-	-	30
		. Training on sustenance of Self Help Group (SHG's) (1)	1	1	Off	5	25	30	-	-	-	30
		Training on various agricultural tools and implements (2)	1	1	On	15	15	30	-	-	-	30

		Training on groups sustenance and income generating activities (1)	1	1	On	5	25	30	-	-	-	30
		Training on econometric of vegetables Productions. (2)	1	1	On	10	20	30	-	-	-	30
		Training on scope of marketing and linkages (1)	1	1	Off	25	5	30	-	-	-	30
		Training on group dynamics (1)	1	1	Off	10	20	30	-	-	-	30
	Rural Youth (On & Off)	Training on income generating activities (1)	1	1	Off	20	10	30	-	-	-	30
		Training on leadership skill development and entrepreneurial (2)	1	2	On	15	15	30	-	-	-	30
	Extension Personnel (On & Off)	Training on ICT through video production Technologies (2)	1	1	Off	20	10	30	-	-	-	30
	NGO(including school drop-outs) (Vocational)	Training on capacity building -	1	1	On	10	10	20	-	-	-	20
KVK Kiphere, Nagaland												
Agronomy	Farmer and Farm women	Organic farming(2)	4	2	Off	15	10	25				25
		Integrated weed management(2)	2	2	Off	15	10	25				25
		Integrated farming system (2)	2	2	Off	15	10	25				25
		Cropping systems (2)	1	2	Off	15	10	25				25
		Integrated nutrient management (2)	1	2	Off	15	10	25				25
	Rural Youth	Vermi-composting(2)		2	Off							
	Extension Personnel	Integrated Pest Management(2)	2	2	Off	25	25	50				50
KVK Longleng, Nagaland												
Animal Science	Farmer and Farm women (On & Off)	Cold stress management of chicks during the early stages	2	2	On	20	25	45	-	-	-	45

		Management of piglets during extreme weather	2	2	Off	15	25	40	-	-	-	40
		Backyard poultry management	4	2	On	20	20	40	-	-	-	40
		Control of diseases in pig	2	2	Off	20	20	40	-	-	-	40
		Importance of vaccination to prevent common diseases in pig	2	2	Off	20	25	45	-	-	-	45
	Rural Youth (On & Off)	Entrepreneurship development through poultry rearing	1	3	On	10	10	20	-	-	-	20
	Extension Personnel (On & Off)	Management of animals and poultry birds in extreme weather	1	2	On	15	15	30	-	-	-	30
	Farmer and Farm women (Sponsored)	Scientific management of housing, feeding, disease control in livestock and poultry birds	1	2	On	10	15	25	-	-	-	25
	Rural Youth (Sponsored)	Skill training of rural youth (STRY) training programme	1	6	On	14	14	28	-	-	-	28
Agricultural Extension	Farmer and Farm women (On & Off)	Oyster mushroom production	2	1	Off	10	30	40	-	-	-	40
		Packages and practice of cole crop cultivation	1	1	Off	10	10	20	-	-	-	20
		Nutrient management of ginger cultivation	1	1	Off	10	10	10	-	-	-	20
		Cultivation of green gram	1	1	Off	10	10	10	-	-	-	20
		Cultivation of Toria	1	1	Off	10	10	10	-	-	-	20
	Extension Personnel (On & Off)	IFS development for additional source of income	1	1	Off	20	10	30	-	-	-	30
	Rural Youth (Sponsored)	Skill training of rural youth(STRY) training programme	1	6	On	14	14	28	-	-	-	28
KVK Mokokchung, Nagaland												
Agronomy	Farmer and Farm	Cultivation of Pulses (2)	2	2	On/ Off	20	30	50	-	-	-	50

	women (On & Off)	Line sowing paddy cultivation(1)	1	1	Off	15	10	25	-	-	-	25
		Cultivation of Soybean (2)	2	2	Off	20	30	50	-	-	-	50
		Cultivation of oilseeds and pulses	1	1	Off	10	15	25	-	-	-	25
		Post- harvest technology (1)	1	1	Off	12	30	50	-	-	-	23
	Rural Youth (On & Off)	Vermicomposting (1)	2	3	Off	20	30	50	-	-	-	50
	Extension Personnel (On & Off)	Production of vermin- compost (2)	1	3	On	5	20	25	-	-	-	25
	Farmer and Farm women (Sponsored)	Organic farming (2)	1	2	Off	12	8	20	-	-	-	20
	Rural Youth (Sponsored)	Vermicomposting	1	1	Off	10	10	20	-	-	-	20
Horticulture	Farmer and Farm women (On & Off)	Improved cultivation practices of ladies finger	1	1	0ff	11	14	25				25
		Package of practices Chilli	1	1	Off	10	15	25	-	-	-	25
		Improved crop management practices of tomato	1	1	Off	12	13	25	-	-	-	25
		Production technology of off season vegetable crops	2	2	On/ Off	24	26	50	-	-	-	50
		Management of orange orchards	1	1	Off	11	14	25	-	-	-	25
		Vegetable Nursery raising and management	2	2	Off	20	30	50	-	-	-	50
		Improved Production technologies of potato	1	1	Off	10	15	25	-	-	-	25
		Processing and value addition of fruits	1	1	On	10	15	25	-	-	-	25
	Rural Youth (On & Off)	Post-Harvest management of vegetables	1	2	On	10	10	20	-	-	-	20
		Scientific production of planting materials	1	2	On	8	12	20	-	-	-	20
		Value addition of fruits	1	3	On	7	13	20	-	-	-	20

	Extension Personnel (On & Off)	Mulching of vegetable crops	1	1	On	10	10	20	-	-	-	20
		Rejuvenation of old citrus orchard	1	1	On	10	10	20	-	-	-	20
Plant Protection	Farmer and Farm women (On & Off)	Insect pest of Tomato and their management (1)	1	3	Off	20	10	30	-	-	-	30
		Management of Insect Pests in Tomato (1)	1	5	Off	25	15	40	-	-	-	40
		Integrated pest management of FAW in maize (1)	1	3	Off	15	10	25	-	-	-	25
		Management of Insect pests in Potato (1)	1	3	Off	15	15	30	-	-	-	30
		Biological Management of insect pest in cabbage (1)	1	2	Off	15	15	30	-	-	-	30
	Rural Youth (On & Off)	Apiary Management (1)	1	3	On	20	10	30	-	-	-	30
		Cultivation and Management of Oyster Mushroom(1)	1	3	Off	20	10	30	-	-	-	30
	Extension Personnel (On & Off)	Strategies for a successful management of Rodent (1)	1	1	On	20	10	30	-	-	-	30
	Civil Society (Sponsored)	Cultivation and Management of Oyster Mushroom (1)	1	3	Off	10	10	20	-	-	-	20
Plant breeding	Farmer and Farm women (On & Off)	Improved cultivation practices of paddy	2	2	Off	25	25	50	-	-	-	50
		Improved cultivation practices of Pea	2	1	Off	25	25	50	-	-	-	50
		Nutrient management	1	1	Off	11	14	25	-	-	-	25
		Improved cultivation practices of cucumber	1	1	Off	13	12	25	-	-	-	25
		Eco- friendly management of stored grain pest in paddy	1	1	On	15	10	25	-	-	-	25
	Rural Youth (On & Off)	Value addition in vegetables	1	1	On	10	10	20	-	-	-	20
		Importance of soil health	1	1	Off	10	10	20	-	-	-	20
	Extension Personnel (On & Off)	Eco- friendly management of stored grain pest in paddy	1	1	Off	8	6	14	-	-	-	14

		Recent approaches in crop improvement	1	1	On	7	7	14	-	-	-	14
	Farmer and Farm women (Sponsored)	Value addition in fruits	1	-	Off	12	13	25	-	-	-	-
Agricultural Extension	Farmer and Farm women (On & Off)	Importance and role of 'Farmers groups' in addressing local agricultural issues	1	1	Off	15	10	25	-	-	-	25
		Formation of farmers' club and its operation	1	1	Off	15	10	25	-	-	-	25
		Mobilization of social capital in villages	1	1	Off	13	12	25	-	-	-	25
		Farm leadership – its importance and role in technology adoption and dissemination	1	1	On	13	12	25	-	-	-	25
		Orientation on proper record keeping in SHGs	1	1	Off	10	15	25	-	-	-	25
		Common problems of SHG members and their solutions	1	1	Off	12	13	25	-	-	-	25
	Rural Youth (On & Off)	Orientation on few potential agri- allied micro enterprises	1	1	On	15	10	25	-	-	-	25
		Training on cultivation of oyster mushroom as an potential micro enterprise	1	1	Off	15	10	25	-	-	-	25
	Extension Personnel (On & Off)	Entrepreneurs development	1	1	On	6	8	14	-	-	-	14
		Programme planning	1	1	Off	8	8	16	-	-	-	16
KVK Mon, Nagaland												
Agronomy	Farmer and Farm women (On & Off)	(10)	10	30	-	250	60	310	-	-	-	310
	Rural Youth (On & Off)	Vermicompost (2)	2	6	-	30	30	60	-	-	-	60
	Extension Personnel (On & Off)	(1)	1	1	-	30	-	30	-	-	-	30

Horticulture	Farmer and Farm women (On & Off)	Nursery raising, protected cultivation of Winter Vegetables, Flower cultivation, Mushroom Cultivation (7)	7	21	-	75	100	175	-	-	-	175
	Rural Youth (On & Off)	Protected cultivation of winter vegetables, Flower cultivation (2)	6	6	-	20	30	50	-	-	-	50
	Extension Personnel (On & Off)	Protected cultivation of winter vegetables (1)	1	3	-	15	10	25	-	-	-	25
Plant Breeding & Genetics	Farmer and Farm women (On & Off)	Seed production of cereals, pulses, oilseeds and millets; cropping system, seed conservation (6)	6	3	-	60	60	120	-	-	-	120
	Rural Youth (On & Off)	Plant genetic resources; IPR; Food & nutritional security (2)	2	3	-	18	18	36	-	-	-	36
	Extension Personnel (On & Off)	Productivity enhancement of crops in regard to climate change (2)	2	3	-	15	15	30	-	-	-	30
	Farmer and Farm women (Sponsored)	Doubling of farmers income through seed production of soybean (1)	1	3	-	10	05	15	-	-	-	15
	Rural Youth (Sponsored)	Seed production technology of important crops & Planting materials production (2)	2	7	-	20	10	30	-	-	-	30
Soil Conservation	Farmer and Farm women (On & Off)	Training on green manuring.	1	3	On	10	5	15	-	-	-	15
		Effect of Liming on soil to reclaim soil acidity	1	3	On	10	10	20	-	-	-	20
		Training programme on low cost water harvesting.	1	3	On	10	10	20	-	-	-	20
		Training on soil health management	1	3	On	10	5	15	-	-	-	15
		Training on bamboo bunding to control soil erosion & run off.	1	3	On	10	10	20	-	-	-	20
		Soil & water conservation.	1	1	On	10	5	15	-	-	-	15
		Training on Production of low vermi-compost.	1	3	On	10	5	15	-	-	-	15

		Integrated nutrient management (INM) on Rabi crops.	1	3	On	5	10	15	-	-	-	15
		Training on mulching (paddy straw & Weed biomass)	1	3	On	5	10	15	-	-	-	15
		Training on collection of soil sample.	1	3	On	10	5	15	-	-	-	15
		Training on mushroom production	1	3	On	5	10	15	-	-	-	15
		Training on mushroom production	1	3	On	10	5	15	-	-	-	15
	Rural Youth (On & Off)	Training on low cost vermicompost production	1	1	Off	20	10	30	-	-	-	30
		Mushroom production	1	1	Off	20	10	30	-	-	-	30
	Extension Personnel (On & Off)	Training on collection of soil sample	1	1	On	10	10	20	-	-	-	20
	NGO (including school drop outs) (On & Off)	Training on low cost vermi-compost production	1	1	Off	15	10	25	-	-	-	25
Animal Science	Farmer and Farm women (On & Off)	Pig production, Poultry production, Disease management in livestock, Integrated farming system (7)	7	21	-	55	50	105	-	-	-	105
	Rural Youth (On & Off)	Poultry and Pig Production (2)	2	6	-	15	15	30	-	-	-	30
	Extension Personnel (On & Off)	Integrated Farming system (1)	1	1	-	15	-	15	-	-	-	15
	Civil Society (On & Off)	Disease management in livestock in relation to public health importance (1)	1	1	-	15	-	15	-	-	-	15
	Farmer and Farm women (Vocational)	Poultry Production (1)	1	15	-	-	-	15	-	-	-	15
KVK Phek, Nagaland												

Agronomy	Farmer and Farm women	Package and practice in QPM (1)	1	1	On	10	25	25				25
		Package and practice in beans (1)	1	1	On	10	25	25				25
		Importance of cropping system (1)	1	1	On	10	25	25				25
		Modified system of rice intensification for higher productivity (1)	1	1	Off	10	25	25				25
		Nursery management in SRI (1)	1	1	Off	10	25	25				25
		Importance of resource management (1)	1	1	Off	10	25	25				25
		Importance of organic agriculture (1)	1	1	Off	10	25	25				25
		Importance of conservation agriculture (1)	1	1	Off	10	25	25				25
		Package and practice in field pea (1)	1	1	On	10	25	25				25
		Integrated farming system (1)	1	1	Off	10	25	25				25
	Rural Youth	Importance of crop diversification (1)	1	1	On	10	25	25				25
		Integrated farming system (1)	1	1	On	10	25	25				25
		Importance of resource management (1)	1	1	Off	10	25	25				25
	Extension Personnel	Importance of conservation agriculture (1)	1	1	Off	6	4	10				10
	Rural Youth (Vocational)	System of crop intensification for higher yield (4)	1	4	On	5	5	10				10
Soil Science	Farmer and Farm women	Soil health management(2)	1	2	OFF	20	20	40				40
		Organic cultivation of turmeric (2)	1	2	Off	20	20	40				40
		Organic cultivation of cabbage (2)	1	2	On/OFF	20	20	40				40
		Water conservation through Jhalkund (2)	1	2	Off	20	20	40				40

		Low cost vermicompost production (2)	1	2	Off	20	20	40				40
		Organic cultivation of broccoli (2)	1	2	On/Off	20	20	20				20
	Rural youth	Soil sample collection (2)	1	2	Off	20	20	40				40
		Vermiculture (2)	1	2	Off	20	20	40				40
	Extension Personnel	Soil moisture conservation	1	1	Off	2	8	10				10
	Rural Youth (Vocational)	Composting technologies	**1**	1	On	10	10	20				20
Horticulture	Farmer and Farm women	Nursery management of vegetables (2)	1	2	On	5	10	15				15
		Production technology of Pakchoi (1)	1	1	On	5	10	15				15
		Production technology of French bean (1)	1	1	Off	10	10	20				20
		Production technology of Dolichos bean (1)	1	1	On	5	10	15				15
		Production technology of Onion (1)	1	1	Off	10	5	15				15
		Nutritional gardening (1)	2	1	On	5	25	30				30
		Production technology of garden pea	1	1	On	5	10	15				15
	Rural youth	Protected cultivation technology of garden pea (1)	1	2	Off	10	5	15				15
		Protected cultivation technology (2)	1	2	Off	10	5	15				15
		Production technology of Kiwi fruit (1)	1	1	Off	10	5	10				15
	Extension Personnel	Physiological disorder in fruit crops (1)	1	1	Off	10	2	12				12
	Rural Youth (Vocational)	Post-harvest processing of some important fruits (4)	1	4	On	5	10	15				15
Animal Science	Farmer and Farm	Scientific management of pigs	1	3	Off	5	20	25				25

	women	Diseases and health care of mithun	1	1	Off	25	0	25				25
		Significance of proper & timely vaccination & deworming in farm animals	1	1	Off	10	15	25				25
		Scientific management of poultry	1	3	0n	10	15	25				25
		Preventive measure of endo-and ecto parasitic infestation in livestock	1	1	0n	10	15	25				25
		Swine nutrition: basic concept and feeding strategy	1	1	0n	10	15	25				25
	Rural Youth	Entrepreneuralopportunities in poultry farming	1	3	Off	25	25	50				50
		Principle and ideology	1	1	Off	20	5	25				25
		of livestock based SHG formation										
	Extension Personnel	Prevention of common livestock diseases	1	1	Off	20	5	25				25
KVK Peren, Nagaland												
Plant Breeding & Genetics	Farmer and Farm women	Seed production of cereal crops	5	3	On	10	10	20				20
		Seed production of Pulse crops	5	3	On	10	10	20				20
		Seed production of vegetable crops	5	3	On	10	10	20				20
		Production technology of Oilseeds and Pulses under diversified cropping systems	5	1	Off	10	10	20				20
		Awareness programme on Protection of Plant Varieties & farmers Rights Act, 2001	5	1	Off	20	30	50				50
	Rural Youth	Seed production as an Entrepreneurial venture	1	2	On	10	10	20				20
	Extension Personnel	Seed replacement rate: concept and importance	1	1	On	5	10	15				15
Soil Science	Farmer and Farm women	Integrated Nutrient Management in Cereals	1	1	Off	10	10	20	-	-	-	20
		Soil Management in Organic Farming	1	3	Off	10	10	20	-	-	-	20

		Importance of Soil Sampling, Testing, Soil Health Card and its uses in crop production.	1	3	Off	10	10	20	-	-	-	20
		Soil and Water conservation in hill Agriculture.	1	3	Off	10	10	20	-	-	-	20
		Bio-fertilizers and its uses in crop production	1	2	On	10	10	20	-	-	-	20
		Integrated Nutrient management in winter vegetable crops	1	2	On	10	10	20	-	-	-	20
	Rural Youth	Soil Health and Soil fertility management in Crop Production	1	3	Off	10	10	20	-	-	-	20
		Entrepreneurship development through Vermicomposting	1	3	Off	10	10	20	-	-	-	20
	Extension Personnel	Integrated Farming System Approach for doubling farmers income	1	3	On	6	4	10	-	-	-	10
Animal Science	Farmer and Farm women	Care and management of newborn piglets	1	1	On	10	10	20				20
		Common diseases of Poultry and their management	1	2	Off	10	10	20				20
		Importance of deworming and Vaccination in farm animals	1	1	On	10	10	20				20
		Goat farming and management			Off	10	10	20				20
		Poultry production and management	1	3	On	10	10	20				20
		Poultry production and management	1	3	On	10	10	20				20
		Broiler rabbit farming	1	2	On	10	10	20				20
		Piggery production and management		3	Off	10	10	20				20
		Cattle rearing and management	1	2	On	10	10	20				20
	Rural youth	Broiler rabbit farming	1	3	Off	10	10	20				20
		Poultry farming for entrepreneurship development	1	3	On	10	10	20	-	-	-	20

		Artificial insemination (AI) and management in pig	1	5	Off	10	10	20	-	-	-	20
	Extension Personnel	Livestock based farming	**1**	1	On	10	10	20	-	-	-	20
	Rural Youth	Poultry farming for entrepreneurship development	**1**	7	On	10	10	20	-	-	-	20
KVK Tuensang, Nagaland												
Agronomy	Farmer and Farm women	Good Management practices in Maize production under upland situation (1)	1	1	Off	10	10	20				20
		Advance production and Disease Management Technology in Ginger (1)	1	1	Off	10	10	20				20
		System of Rice Intensification Technology for enhancing rice production (1)	1	1								
		Large Cardamom cultivation and Post-Harvest Management technology (1)	1	2	Off	20	10	30				30
		Crop management in seed potato production. (1)	1	2	On	15	10	25				25
		Advance Management practices for higher productivity of Oilseeds and pulses under diversified cropping system (1)	1	1	Off	15	5	20				20
		Post-harvest management in Seed Potato production	1	2	Off/ On	20	5	25				25
		Pulses and Oilseeds production technology under Zero tillage (1)	1	1	Off	15	10	25				25
		Conservation Agriculture (1)	1	4	Off	20	10	30				30
		Organic Farming (1)	1	2	Off	10	10	20				20
	Rural Youth	Alder based Large Cardamom production technology (4)	4	1	On	30	10	40				40
		Low cost Curing Techniques in Large Cardamom (1)	1	1	Off	15	5	20				20
	Extension	Sequential cropping of Pulses in Jhum system (1)	1	1	On	15	2	17				17

	Personnnel											
	Extension Personnnel (Sponsored)	Organic Farming (2)	2	2	On	5	15	20				20
Horticulture	Farmer and Farm women	Phase II training on community development through an integrated Approach (2)	1	2	Off	10	10	20	-	-	-	20
		Entrepreneurship development through value addition (2)	1	2	On/ Off	20	20	40	-	-	-	40
		Nursery raising techniques for seedling production (2)	1	2	Off	20	20	40	-	-	-	40
		Organic cultivation of Onion (2)	1	2	Off	10	10	20	-	-	-	20
		Nutritional gardening for sustainable livelihood (3)	1	3	Off	10	10	20	-	-	-	20
		Techniques for Summer pruning in Kiwi (2)	1	1	Off	10	10	20	-	-	-	20
		Organic cultivation of root crops (Carrot & Radish) (2)	1	2	Off	10	10	20	-	-	-	20
		Post-harvest management of horticulture crops (1)	1	1	Off	10	10	20	-	-	-	20
	Extension Personnel	Training& Pruning practices in Kiwi orchards for higher production. (2)	2	2	On/ Off	10	10	20	-	-	-	20
		Organic Nutrient Management in Kiwi orchards. (1)	1	1	Off	10	10	20	-	-	-	20
	Rural Youth (Sponsored)	Entrepreneurship development through value addition (1)	1	1	Off	10	10	20	-	-	-	20
		Production technology of seasonal flowers	1	1	Off	10	10	20	-	-	-	20
Plant Breeding and Genetics	Farmer and Farm women	Advance marketing and value chain analysis of agricultural products	1	1	Off	13	12	25				25
		Production technology of millets in Tuensang district	2	1	Off	10	10	20				20
		Harvesting and storage of crops	1	1	Off	10	15	25				25

		Pulses Production in Tuensang	1	1	On	10	10	20				20
		Crop Diversification	1	1	On	10	10	20				20
		Quality seed production	1	1	Off	10	10	20				20
		Plant protection varieties and farmers right Act 2001	1	1	off	15	15	30				30
		Importance of cereal	1	1	Off	10	5	15				15
		legume Inter-cropping										
		for increasing cropping										
		Intensity and raising farmers' income.										
	Rural Youth	Entrepreneurship opportunities	2	3	On	15	15	30				30
		through quality seed growers										
	Extension Personnel (Sponsored)	Climate resilient	2	1	On	5	5	10				10
		agricultural practices to										
		combat climate change										
Soil Science	Farmer and Farm women	Advances in Soil fertility management in terrace rice cultivation (1)	1	1	Off	15	10	25				25
		Awareness of Soil& water conservation in Hill Agriculture (1)	2	2	Off	25	25	50				50
		Importance of Integrated nutrient management in agriculture (1)	1	1	Off	5	10	15				15
		Preparation and using composts in Agriculture (1)	1	1	Off	5	10	15				15
		Preparation of of Organic manures and fertilizers (1)	1	1	Off	10	5	15				15
		Soil & water conservation technology for hill Agriculture (1)	1	1	Off	10	5	15				15

Plant Protection	Farmer and Farm women	Conservation & identification of beneficial natural enemies in different agro-ecosystems	2	2	Off	25	15	40				40
		Important modern days plant protection equipments& their utilization	2	2	On	15	10	25				25
		Soil solarizattion for management of soil borne disease	2	2	Off	15	15	30				30
		Importance of Bee keeping	2	2	Off	20	5	25				25
	Rural Youth	Cultivation & nutritional benefits of Mushroom	2	1	Off	10	10	20				20
	Extension Personnel	Citrus Rejuvination	2	2	On	10	10	20				20
	Farmer and Farm women (Vocational)	. Acquaintance with biofertilizers&biopesticides used in organic farming	1	1	Off	10	10	20				20
	Rural Youth (Sponsored)	IPM of stored pest in pulses & cereals and rodent management	6	6	On	10	10	20				20
KVK Wokha, Nagaland												
Horticulture	Farmer and Farm women	Production and management of fruit crops (1)	1	1	Off	15	10	25				25
		Post-harvest management of fruits and vegetables (1)	1	3	On	10	20	20				20
		Off season production of vegetables (1)	1	3	On	10	10	20				20
		Production and management of spices (1)	1	1	Off	10	15	25				25
	Rural Youth	Propagation of fruit crops (1)	1	1	On	10	10	20				20
		Protected cultivation (1)	1	3	Off	15	10	25				25
	Extension Personnel	Post-harvest management of fruits and vegetables (1)	1	1	Off	10	10	20				20
		Round the year cultivation of vegetables (1)	1	1	Off	10	10	20				20
	Rural Youth (Vocational)	Post-harvest management of fruits and vegetables (1)	1	5	On	10	10	20				20

Animal Science	Farmer and Farm women	Low cost feed formulation for pig	2	1	Off	15	10	25	-	-	-	25
		Scientific management of pig farm	2	1	Off	15	10	25	-	-	-	25
		Scientific management of poultry farm	2	1	Off	15	10	25				25
	Rural Youth	Small scale poultry farming for income generation	1	4	On	10	5	15				15
		Small scale pig farming for income generation	1	4	On	10	5	15				15
	Extension Personnel	Health management and vaccination in farm animal	1	4	On	10	5	15				15
	Civil Society (Vocational)	Pig and poultry farming under low cost production system	**1**	6	On	15	5	20				20
Home Science	Farmer and Farm women	Processing and value addition of locally available fruits and vegetables	1	1	Off	0	20	20	-	-	-	20
		Drying techniques of fruits & vegetables	1	1	Off	5	15		-	-	-	20
		Preservation techniques	1	2	Off	0	20	20				20
	Rural Youth	Income generation through processing & value addition	1	1	On	5	15	20				20
		Entrepreneurship development	1	2	Off	10	10	20				20
Agriculture Extension	Farmer and Farm women	Group formation & management of groups,	1	1	Off	10	15	25	-	-	-	25
		Income generation activities, for SHGsOff)	1	1	Off	-	25		-	-	-	25
		Agriculture Marketing	1	1	Off	10	15	25				25
		Mushroom cultivation for income generation	1	1	Off	10	15	25				25
	Rural Youth	Entrepreneurship development	1	1	Off	10	10	20				20
		Mushroom cultivation	3	3	Off	10	10	20				20
		Marketing of fruits & vegetables	1	1	Off	15	10	25				25

	Extension Personnel	Market led extension	1	1	On	10	10	20				20
		Market Linkages etc	1	1	Off	10	10	20				20
	Farmer and Farm women (Vocational)	Entrepreneurship development through agri and allied activites	1	1	On	5	15	20				20
	Rural Youth (Vocational)	Problem and prospects of marketing	1	1	On	15	5	20				20
		Mushroom Cultivation for Entrepreneurship development	1	1	On	10	10	20				20
KVK Zunheboto, Nagaland												
Agronomy	Farmer and Farm women	Production of potato through TPS	2	2	On/ Off	20	30	50				50
		Package and Practices of oilseed crops	2	2	On/ Off	20	30	50				50
		Method of seed Inoculation with Rhizobium	2	2	On/ Off	20	30	50				50
		Weed management Practices	1	1	Off	10	15	25				25
	Rural Youth	Protection of Plant Varieties and Farmer's Rights	1	1	Off	15	10	25				25
		Package and Practices of Pulse crops	1	1	Off	15	10	25				25
	Extension Personnel	Protection of Plant Varieties and Farmer's Rights	1	1	Off	15	10	25				25
	Farmer and Farm women (Vocational)	Oilseed production	1	3	On	10	15	25				25
Horticulture	Farmer and Farm women	Organic cultivation of Okra	2	1	Off	20	30	50				50
		Package of practices for French beans	2	1	Off	20	30	50				50
		Protected cultivation for kiwifruit	2	1	Off	20	30	50				50
		Package of practices for kiwi	1	1	Off	10	15	25				25
		Use of Pusa Hydrogel for onion cultivation	2	1	Off	20	30	50				50

	Rural Youth	Value addition of fruits	1	1	On	10	15	25				25
		Value addition of vegetables	1	1	On	10	15	25				25
	Extension Personnel	Scientific package of practices for cultivation of high value horticulture	1	3	Off	10	15	25				25
	Rural Youth (Vocational)	Organic farming of winter vegetables	1	3	On	10	15	25				25
Plant Protection	Farmer and Farm women	IPM on rice	2	1	On	20	30	50				50
		IPM on citrus	1	1	Off	10	15	25				25
		IPM on winter vegetables	1	1	Off	10	15	25				25
		IPM on summer vegetables	1	1	Off	10	15	25				25
		Mushroom Production	1	1	On	5	20	25				25
	Rural Youth	Mushroom Production	1	1	Off	10	15	25				25
	Extension Personnel	IPM on rice	1	1	Off	15	10	25				25
	Farmer and Farm women (Vocational)	Mushroom production	**1**	3	Off	5	20	25				25
Animal Science	Farmer and Farm women	Dairy production and management	1	1	On	10	15	25				25
		Piggery Production and management	1	1	On	10	15	25				25
		Poultry Production and management	1	1	On	10	15	25				25
		Poultry Production and management including duckery, turkey etc.	1	1	On	10	15	25				25
		Piggery Production and management	1	1	On	10	15	25				25
		Goattery production and management	1	1	On	10	15	25				25
		Poultry Production and management (turkey)	1	1	On	10	15	25				25

	Rural Youth	Dairy production and management	1	1	Off	10	15	25				25
		Piggery Production and management	1	1	Off	10	15	25				25
		Poultry Production and management including duckery, turkey etc	1	1	Off	10	15	25				25
	Extension Personnel	Swine and poultry Production and management	1	1	Off	10	15	25				25
	Farmer and Farm women (Vocational)	General principles of livestock production and management including poultry	1	1	On	10	15	25				25
Home Science	Farmer and Farm women	Preparation of Tapioca cake	1	1	On	5	20	25				25
		Preparation of Jackfruit chips	1	1	On	5	20	25				25
		Preparation of gooseberry jam	1	1	On	5	20	25				25
		Preparation of gooseberry squash	1	1	On	5	20	25				25
		Preparation of gooseberry candy	1	1	On	5	20	25				25
	Rural Youth	Soap making	1	1	On	5	20	25				25
		Candle making	1	1	On	5	20	25				25
		Preparation of Tapioca cake	1	1	On	5	20	25				25
		Preparation of Tapioca chips	1	1	On	5	20	25				25
	Extension Personnel	Processing and Value addition	1	1	On	5	20	25				25
	Rural Youth (Vocational)	Processing & Value addition	**1**	1	On	5	20	25				25
Agricultural Extension	Farmer and Farm women	Need analysis through PRA/RRA	1	1	Off	10	15	25				25
		Concept of SHG	1	1	Off	10	15	25				25
		Mobilization of social capital in village	1	1	Off	10	15	25				25

		Role of farmers' Organisation in Agricultural Development	1	1	Off	10	15	25				25
		Concept of SHG	1	1	Off	10	15	25				25
		Social entrepreneurship	1	1	Off	10	15	25				25
	Rural Youth	Need analysis through PRA/RR	1	1	Off	10	15	25				25
		Concept of SHG	1	1	On	10	15	25				25
		Social entrepreneurship	1	1	On	10	15	25				25
	Extension Personnel	Methodologies for data collection	1	1	On	10	15	25				25
	Farmer and Farm women (Sponsored)	Development of Social entrepreneurship through cultivation of spices	2	2	On	75	75	150				150
KVK Dhalai, Tripura												
Agronomy	Farmer and Farm women	1. Agronomy (4) 2.Horticulture(4) 3. plant protection (4) 4. Animal husbandry(4) 5.Fishery Science()	20	1	Off	50	100	150	90	60	150	300
		1. Agronomy (4) 2.Horticulture(4) 3. plant protection (4) 4. Animal husbandry(4) 5.Fishery Science(4)	20		On	-	100	100	150	50	200	300
	Rural Youth	1.Agronomy (1) 2.Horticulture(1) 3. plant protection (1) 4. Animal husbandry(1) 5.Fishery Science(1)	5	1	on	30	25	55	35	10	45	100

	Extension Personnel	1.Agronomy (1) 2.Horticulture(1) 3. plant protection (1) 4. Animal husbandry(1) 5.Fishery Science(1)	5	1	On	30	10	40	55	5	60	100
KVK Gomati, Tripura												
Horticulture	Farmer and Farm women	Management of Nutritional Garden	01	01	On	4	2	6	2	2	4	10
Fisheries	Rural Youth	Integrated Fish farming	01	01	On	4	2	6	2	2	4	10
Animal Science	Rural Youth	Artificial Insemination of cattle	01	01	On	4	2	6	2	2	4	10
KVK Khowai, Tripura												
Soil Science	Farmer and Farm women	Preparation of Vermicopost as a source of income generation	3 (9)	3	Off	25	5	30	25	5	30	60
		Preparation of Panchyagavya and its utilization in Agriculture and Horticulture	2 (6)	3	Off	16	4	20	16	4	20	40
	Rural Youth	Preparation of Panchyagavya and its utilization in Agriculture and Horticulture	2 (6)	3	Off	25	5	30	25	5	30	60
		Hand hold training on soil testing	2 (6)	3	Off	20	0	20	20	0	20	40
	Extension Personnel	Advance soil and water conservation techniques for better management of natural resources	2 (6)	3	On	16	4	20	16	4	20	40
Horticulture	Farmer and Farm women	Nursery raising technique (2)	2 (6)	3	Off	16	4	20	16	4	20	40
		Production and management technology of tuber crops (2)	2 (6)	3	Off	16	4	20	16	4	20	40
		Orchard management	2 (6)	3	Off	16	4	20	16	4	20	40
	Rural Youth	Scope of Flower Cultivation	2 (6)	3	0ff	16	4	20	16	4	20	40

		Hi- tech propagation of major horticultural crops (2)	2 (6)	3	On	16	4	20	16	4	20	40
	Extension Personnel	Socio economic Development of the farming Community through Horticulturalintervention(1)	1 (3)	3	0n	5	5	10	5	5	10	20
		Off season vegetable cultivation (1)	1 (3)	3	0ff	5	5	10	5	5	10	20
Plant Protection	Farmer and Farm women	Integrated management of pests and diseases in summer crops	2	3	Off	15	5	20	15	5	20	40
		Integrated management of pests and diseases in rabi crops	2	3	Off	15	5	20	15	5	20	40
		IDM in Potato	1	3	Off	5	5	10	5	5	10	20
	Rural Youth	Beekeeping	4	3	Off	35	15	50	20	10	30	80
		Scientific mushroom	1	3	On	5	5	10	5	5	10	20
	Extension Personnel	Low cost bait preparation techniques	2	3	On	15	5	20	15	5	20	40
Agricultural Extension	Farmer and Farm women	Development of Agro-based enterprises through Farmers Club,	2	3		15	5	20	15	5	20	40
		Formation & Mgt. of FC	3	3		25	5	30	25	5	30	60
	Rural Youth	Entrepreneurship Development	2	3		15	5	20	15	5	20	40
		Formation & Mgt. of FC	3	3		25	5	30	25	5	30	60
	Extension Personnel	Entrepreneurship Development	2	3		15	5	20	15	5	20	40
Home Science	Farmer and Farm women	(2)Drudgery reduction Technology for specific location, Income Generation technology for womenempowerment/Nutritional gardening for Food security/ Value addition of seasonal fruits/vegetables,	4 (12)	3	Off	20	20	40	20	20	40	80

		mushroom production Technology(4)										
	Rural Youth	Food processing, post harvest technology, value addition of seasonal fruits vegetables, Mushroom production technology(3)	3 (9)	3	Off	24	6	30	24	6	30	60
	Extension Personnel	Important of Nutrition for pregnant women, Child, Health and hygiene low cost diet planning for adolescent girl and nursing mother	2 (6)	2	On	10	10	20	10	10	20	40
	Farmer and Farm women (Vocational)	Tailoring and basic sewing for self employment	3 (9)	1	On	5	5	10	5	5	10	20
	Rural Youth (Vocational)	Preparation of Shidal fish (Fermented)	1(4)	1	On	5	5	10	5	5	10	20
Animal Science	Farmer and Farm women	Livestock and Poultry based IFS	2(6)	3	Off	15	5	20	15	5	20	40
		Reducing production cost in livestock &Poultry rearing	2(6)	3	Off	15	5	20	15	5	20	40
		Utilizing resources optimally while rearing livestock & poultry	1(3)	3	On	5	3	8	8	4	12	20
	Rural Youth	Scientific Livestock & Poultry farming methods at backyard and income generating activities	4(12)	3	Off	30	10	40	30	10	40	80
		Livestock and poultry based entrepreneurship	1(3)	3	On	5	3	8	8	4	12	20
	Extension Personnel	Extension service, voluntary work and public service through livestock related activities	2(12)	3	On	10	8	18	12	10	22	40
Fishery	Farmer and Farm women	Composite fish culture (3)	1 (3)	3	Off	4	3	7	10	3	13	20
		Carp fry and fingerling rearing (3)	1 (3)	3	Off	5	0	5	15	0	15	20
		Integrated fish farming(3)	1 (3)	3	On	7	2	9	11	0	11	20
	Rural Youth	Integrated fish farming (3)	1 (3)	3	off	5	5	10	7	3	10	20

		Carp breeding and hatchery management Fresh water crustacean culture (i.e. Prawn) (3)	1 (3)	3	On	5	0	5	15	0	15	20
		Integrated fish farming (3)	1 (3)	3	off	5	0	5	15	0	15	20
		Composite fish culture(6)	2 (6)	3	on	7	2	9	8	3	11	20
		Fish diseases, their preventive and control measures (3)	1 (3)	3	off	5	5	10	5	5	10	20
		Common carp breeding (3)	1 (3)	3	on	7	3	10	7	3	10	20
	Extension Personnel	Integrated fish farming (3)	1 (3)	3	On	5	3	8	8	4	12	20
KVK North Tripura, Tripura												
Agronomy	Farmer and Farm women	1. Agri entrepreneurship development for migrants (COVID-19) Era – 4 nos 2. Crop Diversification-2 nos 3. Integrated Pest Management – 1 no 4. COVID-19 guidelines in agriculture sector -3 nos 5. Azolla cultivation– 1 no 6. INM– 1 no 7. IDM– 1 no	13	1-3	Off/On including on-line mode	70	25	95	80	20	100	195
	Rural Youth	1. IFS model for Rural youth – 2 nos 2. Agri entrepreneurship development for migrants – 2nos 3. COVID-19 guidelines in agriculture sector – 1 no	5	1-3	Off/On including on-line mode	28	7	35	30	10	40	75
	Extension Personnel	1. Strategies for implementation of agri schemes at Field level 2.ICM	2	1-3	Off/On including on-line	6	1	7	8	1	9	15

					mode							
	Farmer and Farm women (Vocational)	oilseeds cultivation including honey bee installation and its processing, value addition for productivity and profitability	1	7-21	Off/On including on-line mode	5	1	6	8	1	9	15
	Rural Youth(Vocational)	1. Crop diversification for cropping intensity and year round income generation	1	7-21	Off/On including on-line mode	5	1	6	8	1	9	15
Horticulture	Farmer and Farm women	1. IFS 2. Vegetable cultivation under COVID Era 3. Off-season vegetables cultivation 4. Plant propagation techniques	4	1-7)	Off/On including on-line mode	25	5	30	26	4	30	60
	Rural Youth	1. Entrepreneurship development thro' horticultural interventions 2. IFS	2	15-20	Off/On including on-line mode	20	5	25	17	3	20	45
	Extension Personnel	Integrated Crop mgt	1	1-2	Off/On including on-line mode	6	1	7	7	1	8	15
	NGO (including school drop outs)	IFS	1	Dec	Off/On including on-line mode	6	1	7	7	1	8	15

	Rural Youth (Vocational)	Entrepreneurship development thro' horticultural interventions	1	Dec	Off/On including on-line mode	6	1	7	7	1	8	15
Fishery Science	Farmer and Farm women	1. Freshwater Aquaculture -6 2. Ornamental Fish farming - 1 3. fish seed grower -1	8	1-3	on – 2 off -6/ online mode	55	5	60	50	10	60	120
	Rural Youth	Aquaculture Worker-2	2	1-3	On/OFF	15	0	15	15	0	15	30
	Extension Personnel	Fresh water Aquaculture	1	1	On	7	0	7	6	2	8	15
	Farmer and Farm women (Vocational)	1. fish processing and product development -2	2	7	On -2	15	0	15	15	0	15	30
	Rural Youth (Vocational)	fish processing and product development -1	1	7	on	7	0	7	6	2	8	15
Animal Science	Farmer and Farm women	1.IFS - 4 2. Poultry Farm Management -2 3.Dairy Farm management-2 4. piggery farm mgt -1	9	1-3	on – 2 off -7	50	20	70	55	10	65	135
	Rural Youth	1. IFS 2. Poultry Farm Management-2 3. piggery farm mgt -3	3	1-3	on – 1 off -2	20	5	25	18	2	20	45
	Extension Personnel	Animal disease mgt	1	1/ 3	On	4	1	5	9	1	10	15
	Farmer and Farm women (Vocational)	1. Poultry Farm Management -1 2. piggery farm mgt -1	2	7	Off/ On	14	3	17	8	5	13	30
	Rural Youth (Vocational)	IFS	1	7		4	1	5	9	1	10	15

KVK South Tripura, Tripura												
Plant Protection	Farmer and Farm women	IPM on Rice (2)	2	3	Off	12	3	15	20	5	25	40
		IDM on Potato (2)	2	3	On/ Off	12	3	15	20	5	25	40
		IDM on Rice (2)	2	3	Off	12	3	15	20	5	25	40
		Organic farming (2)	2	3	On/ Off	12	3	15	20	5	25	40
		Package of Practice on Oil seed (1)	1	3	Off	5	2	7	10	3	13	20
		Package of Practice on Pulses (1)	1	3	Off	5	2	7	10	3	13	20
		IPM on cole crops (2)	2	3	Off	12	3	15	20	5	25	40
	Rural Youth	Mushroom cultivation as income generator (2)	2	3	On/ Off	12	3	15	20	5	25	40
		Vermicomposting technique (2)	2	3	On/ Off	12	3	15	20	5	25	40
		Scientific Honey bee rearing (2)	2	3	Off	12	3	15	20	5	25	40
	Extension Personnel	Organic farming (2)	4	3	On/ Off	24	6	30	40	10	50	80
		Entrepreneurship development trough Bee Keeping (2)	4	3	On/ Off							
	NGO (including school drop outs)	Bio-pesticides in Organic cultivation	1	3	Off	5	2	7	10	3	13	20
Soil Science	Farmer and Farm women	Importance of green manuring in rice cultivation, Techniques of lathyrus cultivation, INM in bhindi, Soil sampling procedure, Soil fertility management, Nutrient Management Technique for winter vegetables, Crop residue recycling technique by using waste decomposer	6	1	On & Off	100	100	200	80	20	100	300
	Rural Youth	Efficient Nutrient Management Techniques for Enhancing Fertilizer Use Efficiency, Residue	2	1	On & Off	10	10	20	10	10	20	40

		recycling technique by using waste decomposer										
	Extension Personnel	Soil sampling procedure for laboratory analysis	1	1	On	10	5	15	5	0	5	20
	Farmer and Farm women (Vocational)	Soil fertility management techniques for major growing *rabi* crops of South Tripura District	2	1	On	10	10	20	15	5	20	40
Animal Science	Farmer and Farm women	Piggery management (2)	-	-	-	-	-	-	-	-	-	-
		Scientific package of practices of piggery management.	2	3	Off	25	5	30	8	2	10	40
		Disease management in pigs.	2	3	Off	25	5	30	8	2	10	40
		Goatery Management (2)	-	-	-	-	-	-	-	-	-	-
		Disease management of goats.	1	3	Off	15	5	20	30	10	40	20
		Housing management in goats.	2	3	On	25	5	30	8	2	10	40
		Dairy Management (3)	-	-	-	-	-	-	-	-	-	-
		UMMB block supplementation in dairy animals.	2	3	On	7	3	10	20	10	30	40
		Scientific management of dairy animals	1	3	Off	5	0	5	15	0	15	20
		Importance of mineral supplementation in dairy cattle.	2	3	On	8	2	10	15	15	30	40
		Poultry management (2)	-	-	-	-	-	-	-	-	-	-
		Handling and management of automated electrical egg incubator for hatching poultry eggs and its effectiveness over conventional method of egg hatching by broody hens.	2	3	Off	15	5	20	5	15	20	40
		Common diseases of poultry birds and their managemental practice	1	3	Off	5	0	5	15	0	15	20
	Rural Youth	Goat Farming (1)	-	-	-	-	-	-	-	-	-	-

		Commercial goat farming: a profitable venture for rural youth	1	3-Feb	Off	8	2	10	10	0	10	20
		Broiler Chicken farming (1)	-	-	-	-	-	-	-	-	-	-
		Commercial broiler chicken farming for income generation.	1	3	Off	5	0	5	15	0	15	20
		Integrated Farming System (1)	-	-	-	-	-	-	-	-	-	-
		Livestock based integrated farming system	2	3-Feb	Off	8	2	10	15	15	30	40
	Extension Personnel	Management in farm animals (2)	-	-	-	-	-	-	-	-	-	-
		Infertility management in dairy animals	2	2	On	10	0	10	30	0	30	40
		Production of different fodder grass in South Tripura's Agro climatic condition	2	2	On	10	0	10	30	0	30	40
	Rural Youth (Vocational)	Hands on training on techniques of administration of different oral and injectable medicines in large/small animals and poultry.	1	4	Off	10	2	12	16	2	18	30
Fisheries	Farmer and Farm women	Carp breeding and hatchery management (1)	1	3	On	4	2	6	12	2	14	20
		Carp fry and fingerling production (1)	2	3	Off	8	4	12	24	4	28	40
		Composite fish culture (1)	2	3	On	8	4	12	24	4	28	40
		Integrated fish farming (1)	2	3	Off	8	4	12	24	4	28	40
	Rural Youth	Freshwater prawn culture (1)	1	3	Off	4	2	6	12	2	14	20
		Composite Fish Culture (1)	2	3	0ff	8	4	12	24	4	28	40
	Extension Personnel	Advances in fish culture management (1)	1	3	Off	4	2	6	12	2	14	20
Home Science	Farmer and Farm women	Nutrition gardening (4)	9	1	On	20	40	60	20	100	120	180
		Drudgery reduction (2)		1	Off							

		Value Addition (3)		1	Off							
	Extension Personnel	Nutrition Gardening (1)	1	1	On	0	10	10	0	10	10	20
	Rural Youth (Vocational)	Tailoring and stitching (2)	2	2	On	0	17	17	0	3	3	20
	Rural Youth (Sponsored)	Nutrition gardening (1)	2	1	Off	10	7	17	0	3	3	20
KVK Unakoti, Tripura												
Agronomy	Farmer and Farm women	SRI/Application of Biofertilizers	5	1	Off			35			90	125
Horticulture	Farmer and Farm women	TPS cultivation	1	1	Off	11	2	13	11	1	12	25
	Rural Youth	TPS cultivation	1	1	Off	10	2	12	10	3	13	25
		Mushroom cultivation	1	1	Off	2	10	12	2	11	13	25
KVK West Tripura, Tripura												
Agronomy	Farmer and Farm women	Nutrient Management (1)	1	03	Off	9	3	12	6	2	8	20
		Integrated Crop Mgmt (1)	1	03	On	9	3	12	6	2	8	20
		Soil Fertility Mgmt (1)	1	03	Off	9	3	12	6	2	8	20
		Cropping system (1)	1	03	On	9	3	12	6	2	8	20
		Crop Diversification (1)	1	03	On	9	3	12	6	2	8	20
		Resource Consv. Tech. (1)	1	03	Off	9	3	12	6	2	8	20
		Integrated nutrient Mgmt (1)	1	03	Off	9	3	12	6	2	8	20
	Rural Youth	Seed production(1)	1	03	On	9	3	12	6	2	8	20

	Extension Personnel	Productivity Enhancement in the field crop	1	03	On	9	3	12	6	2	8	20
		Integrated Nutrient Management	1	03	On	9	3	12	6	2	8	20
	Rural Youth (Sponsored)	Mushroom Production Technique	1	06	On	9	3	12	6	2	8	20
		Protected Cultivation of High value vegetables	1	06	On	9	3	12	6	2	8	20
Agriculture Extension	Farmer and Farm women	Importance of formation and management of Farmers Producers Organization (FPOs)	1	3	Off	13	5	18	1	1	2	20
		Management of SHGs for livelihood improvement	1	3	On	5	2	7	5	8	13	20
	Rural Youth	Formation and management of Farmers Club	1	3	Off	13	5	18	1	1	2	20
	Extension Personnel	Importance of ICTs in Agricultural development	1	3	On	5	2	7	5	8	13	20
	Rural Youth (Sponsored)	Vermicomposting	1	6	On	5	2	7	5	8	13	20
		Post harvest processing and packaging of fruits and vegetables	1	6	On	5	2	7	5	8	13	20

Proceedings of Action Plan Workshop of KVKs

A virtual Annual Zonal Action Plan Workshop for the year 2020 of KVKs under Zone-VII was organized by the ICAR-ATARI, Zone-VII, Umiam in collaboration with Utlou Joint Farming cum Psiciculture Cooperative Society, Utlou and KVK Bishnupur, Manipur on 23-24th June, 2020 through Zoom meeting. The main objective of the workshop was to develop outcome oriented actionable plan of works and targets with respect to mandated activities for different disciplines in a KVK keeping in view the location specificity and potential of the respective districts under the zone. Over 50 participants including Sr. Scientists & Heads of functioning KVKs under Zone-VII, Directors of Extension Education, CAU, Imphal and AAU, Jorhat, experts from ICAR RC for NEH Region, Manipur Centre, and staff from ICAR-ATARI, Zone-VII, Barapani besides the invited guests, attended the online workshop. The programme was inaugurated with welcome address from Director, ICAR-ATARI Dr. B.C. Deka followed by self-introduction and brief remarks by the experts. After the inauguration, the programme proceeded with the Technical Sessions made by individual Sr. Scientists & Heads of KVKs.

The technical sessions were conducted in two groups. The first session was chaired by Dr. H.C. Bhattacharyya, Ex-DDE, AUU, Jorhat. Panel Experts included Dr. B.C. Deka, Director, ICAR-ATARI, Zone VII, Dr. R.K. Saha, DEE, CAU Imphal and Dr. ArunSingha, Principal Scientist, ICAR-ATARI, Zone VII. The second session was chaired by Dr. A.K. Gogoi, Ex- Director, ATARI, Umiam. Panel Experts included Dr. H.C. Bhattacharjee, Ex- DEE, AAU, Jorhat, Dr. R.K. Saha, DEE, CAU, Imphal, Dr. N. Kalita, DR (Vety), AAU Khanapara,Dr. B. C. Deka, Director, ATARI, Umiam.

. Some of the **General Recommendations** emerged out of the workshop are given below-

- Convert technique in energy balance mode, minimized resourcesand minimized drudgery, digitalized map developed by Southern India, GPS.
- Try to collect information with pioneer institute of different project like NICRA.
- Eco-tourism to be promoted.
- Collect techniques and technologies component which can be health hazard and compare with new findings.
- Font size to be large and uniform.
- New variety of crops to be used for OFTs
- Using of animations to be minimized in PPT presentation.
- All training conducted should have a training manual and farmer's data (eg.phone no., adhaar card no.) to be collected. Same farmers should attend training more than 3 times. Farmer's data should be updated every six months to ICAR ATARI.
- Contact IIFCO for feedback and availability of fertilizers to be included it in OFT &FLD
- Contact nearest district Common Service Centre Office for update of information
- List of technology evaluated in FLD & OFT for the last 5 years,best technology identify along with source and years should be compile and submit by Kolasib KVK before 10th July,2020 for Mizoram State
- All OFT & FLD should include GPS co-ordinates to avoid the same farmers,place etc.
- FLD should be conducted at least 2-3years maximum and hand over to line department,ATARI, University after compiling package of practices.
- Documentation on how many OFT, FLD , need based training, impact analysis on farmers,short video on success story, farmers innovation for improvement(ITK) should be maintain.
- Title of OFT& FLD 1 st& 2 ndyears should be reflected clearly

The KVK-wise **specific recommendations** for time bound actions included in the proceedings of the workshop are given below-

Sl. No.	Recommendations
1.	**KVK Thoubal** • Compare the economics between Rice- Lentil and Rice-Chickpea in OFT on "Performance evaluation on rice based cropping system (rice-chickpea)" • Regarding the potato Local Cultivar *AberChaibi* used for OFT on management of frost bites &viral diseases of potato, it was suggested to change the Local Cultivar with improved Var. which is less/not resistant to frost bites. • While writing Killer-707 for OFT on sucking insects in cabbage & lettuce, it was suggested not to use any brand name but refer to organic plant extract only. • For FLD on Popularization of emamectin benzoate in Fruit borer and Aphid management, it was suggested to compare between using insecticides and Yellow Sticky Traps • For both FLDs on participatory seed production of RC Maniphou 13 and CAU R1 (tampha0, it was suggested to change the title to seed production Technology • It was also suggested not to use varieties having release year more than 8 years old of seed production programmes • SMS(Fisheries) was advised to consult Dr. R. K. Saha, DEE,CAU for all the OFTs and FLDs before starting the trials and demonstration • For FLD on Popularization of Assam Mix, it was suggested to include the parameter 'Body weight per month for infant from 6 to 12 months' • It was suggested by the panel experts to include parameter 'Production Economics' for the FLDs • For FLD on Adoption effect of Soil Health Card prepared and distributed by KVK Thoubal, it was suggested to change the title as' Extend of Utilization of SHG' instead of 'Adoption Effect'
2.	**KVK Churachandpur** • For OFT on tomato , it was suggested to include a local check since ArkaAlok is an old variety and also add a parameter 'Incidence of late blight tomato' • Pea variety Azad P4 should be replaced with a new variety under FLD • For OFT on Management of aphids in broad bean, it was advised to include use of Yellow Sticky Traps • Pest management of cole crops should be under Integrated management • For OFT on Evaluation of new germplasm for backyard poultry production(Kadaknath), it was suggested to compare backyard poultry Vanaraja as local check • Inclusion of planting /seed material for cereals, pulses and oilseeds to be in the slide.
3.	**KVK Ukhrul** • For OFT, title should be changed to "Varietal performance of rapeseed & mustard for higher cropping intensity" • For OFT on "Production Technology of French bean for higher income",it was suggested to include IIHR bean • For OFT on 'Supplementation of bypass protein/fats for improving performance in dairy cattle', it was suggested to include calf health as a parameter • For OFT on 'Introduction of Nile Tilapia under polyculture source of technology', Dr. RatanSaha, DEE, CAU should be consulted. • FLD title should be changed to 'Enterprise development of fish fingerling production from spawn'
4.	**KVK Imphal West**

	• For OFT on "Performance of lime application on productivity of maize" • It was suggested to mention 500kg lime for furrow liming or 25% of actual requirement • For OFT on"Performance of Rajmah variety VL Rajma -125", it wassuggested to try any new variety also if available • For OFT on "Evaluation of commercial Button Mushroom Production", it was suggested to compare with Oyster mushroom • For OFT on "Assessment of Kadaknath breed as an alternate source of meat", it was suggested to compare with backyard poultry Vanaraja • For OFT on "Performance of different mulching system in king chilli", it was suggested to exclude plastic mulching as one of the treatments.
5.	**KVK Chandel** • For OFT on "Impact Analysis of CLFD on Oilseeds" duration of impact analysis should be 3 or 4 years • Soybean variety(VL-soya-63) should be replaced with a new variety
6.	**KVK Tamenglong** • For OFT on "Semi-intensive seasoning of Black Bengal goat", "open grazing" should be mentioned in farmer's Practice(T2) • Soil quality/related data to be recorded in OFT/FLD • AAUJorhat developed technology to be followed for organic nutrient management in orange FLD • Disease/pest incidence percentage to be recorded/reported under OFT Plant Protection • Soil moisture , temperature, humidity, rainfall and equivalent yield to be recorded in cropping system under OFT • OFT on "Performance of rapeseed mustard varieties PM-27 and NRC HB101" to be taken up
7.	**KVK Bishnupur** • Vermicompost to be used instead of FYM under OFT • Title of the OFT of potato to be changed as varietal performance • Dr. R.K. Saha, DEE, CAU Imphal intervened to show the original technology about the depth of water for nursery pond to him in person • The original technology about the composite fish culture with Mola (mukanga) under FLD to be checked • To conduct a joint visit with ICAR, CAU, scientists to Anabas breeder for quality assurance of fingerlings • To change the title as seed production of technology of kharif rice under FLD • To include yellow plate sticker as one of the treatment in aphid management under FLD
8.	**KVK Imphal East** • To confirm whether TRCP-9 field pea variety is notified or not. Further, whether TRCT-1-1-5-1 toria variety is notified or not. • To use yellow sticky trap instead of spraying chemical in managing aphids in vegetables.
9.	**KVK Jaintia Hills** • Weather parameters should be included under observation in the OFT on Varietal performance of finger millet (Var. Mandua-352) • Title of the OFT " Analysis of Livelihood of farmers post Covid -19 in West Jaintia Hills" should be change to "Analysis of Livelihood of farmers during pandemic Covid -19 in West Jaintia Hills" • FLD on "Value Chain Analysis of Ginger and Turmeric in West Jaintia Hills" should be

	shifted to OFT
10.	**KVK South Garo Hills** • In OFT on Management of aphids in cabbage should be written clearly with number of treatments (Technology Options). • In OFT on management of leaf curl virus, bacterial wilt and early blight disease of tomato, three (3) varieties of Tomato should be taken namely ArkaRakshak, ArkaAbhed and ArkaSamarat.
11.	**KVK Ribhoi** • FLD on "Popularization of storage technique of planting material for effective management of Rhizome rot of ginger should be dropped".
12.	**KVK East Khasi Hills** • Level of income should be corrected to change in income under Parameters of assessment for the OFT on "Comparative assessment on the resource allocation and consumption pattern of beneficiaries under PM Kisan Scheme"
13.	**KVK West Khasi Hills** • Source of Technology should be verify for the OFT on "Integrated Disease management in pea"
14.	**KVK West Garo Hills** • Azolla percentage should be 20% instead of 22% under treatment for the OFT on "low cost feeding management for pigs" • Azolla for poultry toxicity of azolla should be tested.
15.	**KVK Kolasib** • Sowing of cucumber should be done in a month of September instead of October and Compare with normal season cultivation in OFT on "off season cultivation of cucumber under poly-house" • Separate plot for each treatment to be maintained in OFT on "organic management of insect pests in Mustard" • Comparative study with Varanaraja following the parameters is to be observed in OFT on " Kadaknath poultry under intensive system of rearing"
16.	**KVK Champhai** • Moderation of micro climate under climate change condition, temperature variation, soil moisture monitoring, bio-dynamics of canopy management, weight test soil quality index etc. should be included with GPS data and these should be done as a separate work in consultation with experts and research papers to be published by Mamit, Champhai, Kolasib.
17.	**KVK Serchhip** • In OFT title evaluation should be deleted. • In OFT-7: "Assessment of primary packaging for preservation of fresh vegetables", Traditional packaging method should be find out and its technology assessed should be compared • In OFT-10: " Yield assessments of rape seed (TORIA) with bee keeping", Technology to be assessed with farmers practice at least Miles (30kms) to get better result • In FLD: The title to be changed into intercropping of maize with cowpea • In FLD 05: "Popularization of Drip irrigation+ plastic mulch", Parameters on Water use efficiency and residual soil moisture, GPS should be included, calculate quantity of water saved with traditional irrigation practiced. • In FLD 06: "Popularization of low cost bamboo frame poly house technology", Include

	temperature variables (temperature, humidity) and soil temperature parameters inside and outside poly house. • Soil& water sample analysis target should increase to 500 nos.
18.	**KVK Lunglei** • Wild species of packaging material to be promoted on OFT under effective use of commercially packaging material for preserved fruit and vegetables • Topography and location base FLD on cleaning for animal shed using GPS • Number of beneficiaries to be increase under FLD on cleaning for animal shed • Soil Nutrient status parameters should be included on potato tikka nutrient deficiency. • Horticulture SMS should consult with Champhai KVK to find out the opportunity on Agro forestry discipline
19.	**KVK Mamit** • Try to find out the storage viability period of Zorin bean • FLD:Net return Value should be calculated on tomato • OFT: Bamboo- Include GPS location where bamboo plantation is taken up and find out local species • FLD: Betel vine supporting should be perennial tree species. • In consultation with Director (R&E) we can change breed of goat if we do not get the proposed breed on Annual action plan • In IFS model, include Papaya Variety Swapna and compare with Red lady • Soil& water sample target should be increased. • On seed production oil seed & pulses should be included and taken up by Farm Manager
20.	**KVK Siaha** • OFT title 1 and 2 Varietal evaluation should be change to varietal performance • OFT1: Bio additives should be used in bamboo fermentation and compare traditional and scientific packaging. • FLD 2: Measurement of humidity parameters after storing in bundle for Hay making should be added. • Promotion of eco- tourism in Siaha District • Find out the farmer satisfactory technology and evaluate the programme
21.	**KVK Lawngtlai** • Check Variety of musk melon. • Change title to varietal performance for tomato & muskmelon
22.	**KVK Dimapur** • In OFT of Home Science it is recommended to take raw papaya and chow as control. • It is recommended to increase the seed production under cereals.
23.	**KVK Zunheboto** • VL 63 may be replaced with a new variety. • Instead of Evaluation it may be written as performance on Maize-beans cropping system for rainfed condition under organic management system. • In Kiwi another parameter may be added as under partially shade area. • In Okra one more parameter may be added as straw mulching. • In OFT Animal Science, Hampshire crossbreed should be 75%. • In OFT Home Science, parameters like drudgery reduction may be added. • In OFT Agril. Extension, the title may be changed to Role of performance. • In FLD Agronomy, variety HQPM-1 should be replaced by HQPM-5. • In FLD Plant Protection for ginger rhizome rot, Bio For may be included for ginger.

	• In FLD Plant Protection leaf folder management, Pheromone traps may be included.
24.	**KVK Mon** • Both OFT under Soil Conservation Technology to be corrected according to the discipline. • FLD under GPB, Title should be Popularization of seed production in soybean (JS 335). • FLD under Soil Conservation, to incorporate proven/tested technology for popularization of French bean according to subject matter.
25.	**KVK Phek** • OFT in Modified SRI: To remove seed rate and include seedling age. • OFT in Maize: Beans inter-cropping system under organic Management system: Problems diagnosed instead of minimum use of organic, use Non use of organic. • OFT in Organic Management in Cabbage: Problems diagnosed instead of minimum use of organic, non use of organic. • OFT in Organic Management in Turmeric: Problems diagnosed instead of minimum use of organic, non use of organic.
26.	**KVK Peren** • Parameter Mortality rate to be replaced by Survivality rate in OFT on Feeding Trial of Pigs. • To change the title of OFT on Application of beneficial microbes in Lowland Rice to Bio-fertilizer • Seed production to be added in FLD on Production technology of maize RCM 76. • Title of FLD on Production technology of Toria to replace by Popularization of Toria TS 67 for late sown paddy- toria cropping system.
27.	**KVK Kohima** • Hands on training on Fruits and Spices should be conducted. • Modified Cono-weeder technology for SRI may be taken up. • The recommended dose of lime application @2000kg/ha may be rectified
28.	**KVK Kiphire** • In FLD on Pea, only variety Aman has to be taken
29.	**KVK Tuensang** • In Agronomy OFT, Wheat needs to be replaced by rabi millet under Jhum fallow. • In Agronomy OFT on Utera cropping of Mustard in maize based cropping system in jhum, Mustard variety Pusa Mustard-28 needs to be replaced by variety NRCHB-101. • In Genetics and Plant Breeding FLD on Popularization of groundnut, Variety TG37A should be replaced by a new variety.
30.	**KVK Mokokchung** • In OFT Agronomy, Soyabean variety VL Soya-63 should be replaced by Soya-77. • Pusa Mustard under OFT Agronomy should be replaced by variety NRCHB-101. • Demonstration on Toria should follow sequential cropping. • Socio-economic parameters should be defined for FLD under Agriculture Extension. • Follow the protocol of turmeric cultivation as per the e-book to be released by ATARI
31.	**KVK Wokha** • To popularise ITKs under Animal Science OFTs and FLDs. • To increase the no. of female pig under Animal Science FLD programme for establishing breeding unit. • Preparation of questionnaires on Agriculture Extension OFT for impact assessment on vocational training programmes for 5 years has to be done in consultation with Dr. A.K.

	Singha, PS, ATARI, Umiam. • In Agriculture Extension FLD, management and promotion of FPO has to be linked up with NABARD.
32.	**KVK Longleng** • To take body weight at monthly internal for grower pig and include survivability rate instead of mortality rate under OFT on Feeding management in grower pigs. • To exclude OFT and take up only one FLD for Programme Assistant (Rural Development) • Suggested to take up impact analysis for agricultural extension personnel (Rural Development)
33.	**KVK-South Tripura** • One additional treatment may be added as 'soil treatment with *Trichodermaharzianum*in the OFT entitled, 'Eco-friendly management of wilt disease in King Chilli'. • One additional treatment may be added as 'Single stocking and double Harvesting' in the OFT entitled, 'Comparative assessment on economic profitability of different stocking and harvesting strategies in Carp grow-out system'. • 'Using selective herbicide to knock down of Dhaincha' may be added as an additional treatment in the OFT on 'Assessment trial on kharif paddy cultivation with green manuring (GM) practice for improving soil fertility and higher rice productivity'. • Proper attention to be given while incorporating Azolla in dairy cattle feed so that it doesn't exceed the recommended level in dairy cattle feed. It is in reference to the FLD entitled 'Popularization of Azolla feeding in dairy cattle'. • Year should be mentioned along with Source of technology while reporting the FLD programmes under Home Science Discipline.
34.	**KVK-Khowai** • In the OFT titled "Root *dipping in SSP-mc Slurry method of P management",* Phosphorus status before and after intervention may be analysed. • In all OFTs under plant protection, control treatment should be renamed as farmers practice. • In the OFT titled "Kokcheng (bamboo busket) work efficiency" must be calculated. • Source of technology of jackfruit chips preparation must be changed as ICAR RC Barapani not ICAR ATARI, Barapani. • In the OFT *Low-cost Hydroponic device* proper economics must be calculated and the technology must be need based.
35.	**KVK-North Tripura** • In OFT on assessment on performance of tomato varieties. ArkaSamrat needs to be included along with Arka Abed and ArkaRakshak to see the superiority. • In OFT in animal science, Kamrupa, Vanaraja need to be evaluated along with Kadaknath breed to evaluate the performance and economic viability and impact. • Recent variety of Wheat needs to evaluate for fodder as well as grain purpose from VPKAS, Almora.
36.	**KVK-West Tripura** • It was recommended for Agril. Extension for OFT entitled "Study the performance of existing marketing channels of lemon" to study those farmers / who are directly selling the lemon in the road side during COVID -19 situation/lockdown. • It was recommended to include one more parameter "Adoption rate" for the OFT entitled "Empowering SHGs through secondary agriculture".

	• It was recommended for the FLD entitled "Impact assessment on FCI procurement from Rice farmers" to study those farmers (who cannot sell their rice to the FCI and why). • It was suggested to include one more catch crop if possible, for the FLD entitled **"**Popularization of vegetable based cropping system (Okra-Cowpea-Tomato)". • It was suggested to produce Mushroom throughout the year if possible, for the FLD entitled **"***Oyster* Mushroom cultivation for income generation of farmwomen"
37.	**KVK- Gomati** • Necessary steps to be taken for early completion of administrative building of KVK, in this regards it is suggested that KVK should regularly kept in touch with the concerned PW officials, Amarpur, Gomati District. • At least one OFT to be taken up on commercial Crop like-Betel leaf cultivation etc., if feasible. • Emphasize also to be given on FLD as there is no SMS in the KVK, till date. • Experts' opinion on fish farming may be sought from KVK- South Tripura, if planned so. • Encourage raising of F1- Hybrid Shapna variety as planting materials for Papaya instead of Pusa honey dew variety since it is a very old variety.
38.	**KVK-Sepahijala** • It was recommended to compare Maize hybrid VMH-45 with the RCM-76, as it is very popular in North East for the OFT entitiled "Assessment of Maize hybrid VMH-45". • Ergonomics parameter (heart beat rate) for drudgery reduction may be taken up for the OFT entitled "Performance evaluation of Modified ConoWeeder". • Larger area is recommended for demonstrating Tractor Drawn Rotavator for the FLD "Popularization of Tractor Drawn Rotavator". • It was recommended to disinfect the pond before stocking for the FLD entitled "Popularization of stunted growth fish fingerling for higher production".
39.	**KVK-Dhalai** • With regards to the problems identified under OFT, the use of pesticides for integrated pest management in potato should be discouraged.