Requisite Information to be submitted (Soft Copy only in CD) for ICAR-ATARI, Zone-VII Annual Report, 2018 -19

1. KVK: CHAMPHAI DISTRICT, MIZORAM

2. Summary of Agricultural Technologies assessed and Refined under different thematic Areas during 2018-19

Sl.	Thematic area	No. of	No. of	No. of	Farmer
No .		Technology Assessed	Trials	Locations	Beneficiary (No.)
1	Varietal Evaluation	3	9	9	9
2	Integrated Nutrient Management	1	3	3	3
3	Integrated Crop Management	1	3	3	3
4	Integrated Pest Management				
5	Integrated Disease Management	3	9	9	9
6	Weed Management				
7	Water management				
8	Storage technique				
9	Farm Machineries				
9	Value addition				
10	Small scale income generating enterprise				
11	Seed / Plant production				
12	Drudgery reduction				
13	Post-harvest lost/ technology				
14	Resource Conservation Technology (RCTs)	1	3	3	3
15	Mushroom cultivation				
16	Any other (Pl. specify)				
	Total	9	27	27	27
Sl. No	Thematic area	No. of technology refined	No. of trials	No. of Locations	Farmer Beneficiary (No.)
1	Varietal Evaluation				
2	Integrated Nutrient Management				
3	Integrated Crop Management				
4	Integrated Pest Management				
5	Integrated Disease				

	Management			
6	Weed Management			
7	Water management			
8	Storage technique			
9	Farm Machineries			
9	Value addition			
10	Small scale income			
	generating enterprise			
11	Seed / Plant production			
12	Drudgery reduction			
13	Post-harvest lost/			
	technology			
14	Resource Conservation			
	Technology (RCTs)			
15	Mushroom cultivation	_		
16	Any other (Pl. specify)			
	Total			

${\bf 3. \ Summary \ of \ Livestock \ Technologies \ assessed \ and \ refined \ under \ different \ thematic \ areas \ during \ 2018-19}$

Sl.		No. of Technology	No. of	No. of locations	Farmer Beneficiary
No.	Thematic area	Assessed	Trials	locations	(No.)
1	Disease Management				
2	Evaluation of breed				
3	Feed and fodder Management				
4	Nutrition Management				
5	Production and Management	2	15	15	15
6.	Value Addition				
	Small Scale income generating				
7.	enterprises				
8.	Fish production				
9.	Any other (Pl. specify)				
	Total				
~-		No. of		No. of	Farmer
Sl.		Technology	No. of	No. of locations	Beneficiary
No.	Thematic area		No. of Trials		
No.	Disease Management	Technology			Beneficiary
No. 1 2	Disease Management Evaluation of breed	Technology			Beneficiary
No. 1 2 3	Disease Management Evaluation of breed Feed and fodder Management	Technology			Beneficiary
No. 1 2 3 4	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management	Technology			Beneficiary
No. 1 2 3 4 5	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management Production and Management	Technology			Beneficiary
No. 1 2 3 4	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management Production and Management Value Addition	Technology			Beneficiary
No. 1 2 3 4 5 6.	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management Production and Management Value Addition Small Scale income generating	Technology			Beneficiary
No. 1 2 3 4 5 6.	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management Production and Management Value Addition Small Scale income generating enterprises	Technology			Beneficiary
No. 1 2 3 4 5 6. 7. 8.	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management Production and Management Value Addition Small Scale income generating enterprises Fish production	Technology			Beneficiary
No. 1 2 3 4 5 6.	Disease Management Evaluation of breed Feed and fodder Management Nutrition Management Production and Management Value Addition Small Scale income generating enterprises	Technology			Beneficiary

4. Frontline Demonstration on Oilseeds Crops during 2018-19

Crop	Variety	No. of Farmers/ Demonstrati	Area		Average Yield (q/ha)		Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
		ons	(ha)	Demo	Check	(Av.) over Check	Demo	Check	Katio
Groundnut	GPBD-4	10	2.5	8.50	NA	NA	37850 0		1.98
Sunflower									
Linseed									
Mustard									
Rapeseed									
Sesamum									
Soybean									
Toria									
Total		10	2.5	8.50			37850		

${\bf 5.\ Frontline\ Demonstration\ on\ Pulse\ Crops\ during\ 2018-19}$

Crop	Variety	No. of Farmers	Are a	` '		% Increas e	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
		Demons	(ha)	Demo	Check	(Av.)	Demo	Check	
Arhar									
Black gram									
Cowpea									
Field Pea									
French Beans									
Green gram									
Peas	Azad pea 3	20	5	20.60	14.20	31.07	36430	31480	2.50 2.07
Rajmah									
Rice bean									
Lentil									
Any other (Pl. specify)									
Total		20	5			_			

${\bf 6.\ Frontline\ Demonstration\ on\ Other\ Crops\ during\ 2018-19}$

Crop	Variety	No. of Farmers/ Demos	Area	Avera Yield	ige (q/ha)	% Increa se	Av. Co	ation	Av. B:C Ratio
			(ha)	Dem o	Chec k		Dem o	Check	
A. Cereals									
Paddy									
Wheat									
Maize (Kharif, Rabi, Summer)									
Any other (Pl. Specify)									
Total									
B. Vegetables									
Brinjal Brinjal									
Bottle Gourd									
Bitter Gourd									
Pointed gourd									
French Bean									
Pumpkin									
Potato									
Sweet Potato									
Tapioca									
Cabbage									
Cauliflower									
Carrot									
Tomato	Arka Samrat	10	4	320	250	28	2064 51	206451	3.1
	Local	10	4	261. 5	186	40	2000	170000	2.62
Broccoli	Green magic	10	2	61	54	12.96	1100 00	98500	2.9
Capsicum									
Mustard	Local	10	4	37	26	49.23	3104 0	28000	2.5
Garlic	G-282	15	5	63.8	53	23	1380 95	138095	2.31
Total									
C. Spices									
Turmeric			_						
Ginger									
Chillies									
Coriander									
Black pepper	G 202	1.5	_		50	20.0	1000	100005	0.01
Onion	G-282	15	5	56	53	20.3	1380 95	138095	2.31

Garlic									
Any other (Pl.									
specify)									
Total									
D. Fruits									
Khasi Mandarin									
Banana									
Mango									
Pine apple									
Water melon									
Peach									
Straw berry									
Plum									
Guava									
Litchi									
Passion fruit									
Kiwi fruit									
Grape	Bangalore	10	5	73	59	23.72	87,1	81000	3.1
	Blue						00		
Total									
Grand Total		80	34						
(A+B+C+D)									

7. Frontline Demonstration on Livestock & Other Enterprises during 2018-19

Enterprise	Name of Breed/ Species	No. of farmers/ Demons	No. of animals, poultry birds etc.	Performance parameters / indicators	% change in the parameter
Dairying				General health, Milk Production, Growth rate, mortality, resistance to diseases, calving period	
Poultry				Egg production, Egg weight, disease resistance, mortality rate	
Goatery				Litter size at birth & weaning, individual body wt at birth, weaning, $20^{\text{th}} \& 32^{\text{nd}}$ week	
Duckery				Body weight, Egg production and Egg weight	
Piggery				Litter size at birth & weaning, individual body wt. at birth, weaning, 20 th & 32 nd week	
Fishery	Grass carp	20	6000	-	80
Total					

8. Training programmes for farmers during 2018-19

Sl.	Thematic area	No. of	No. of participants								
No.		Trainings	Ma	le			Fem	ale			G. Total
		(Courses)	SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	
1.	Crop production	16(32)	210	ОВС	Gen	Total	184	OBC	Gen	393	394
2.	Horticulture	10(32)	210				104			373	374
4.	a. Vegetable crops	9 (13)	140				80			220	220
	b. Fruits	2 (4)	40				20			60	60
	c. Ornamental	2(1)	10				20			00	- 00
	plants										
	d. Plantation										
	crops										
	e. Tuber crops										
	f. Spices										
	g. Medicinal and										
	Aromatic Plants										
	h. Preservation										
3.	Soil Health and	8(15)	174				125			299	299
	Fertility Management/										
	Management/ INM										
4.	Livestock	9(18)	207				62			269	269
7.	Production and)(10)	207				02			20)	20)
	management										
	a. Dairy										
	b. Piggery										
	c. Poultry										
	d. Duckery										
	e. Rabbitry										
5.	Fisheries										
6.	Home										
	science/Women										
7	empowerment										
7.	Agri. Engineering										
8.	IPM	5(15)	87				30			117	117
9.	IDM	3(9)	86				24			110	110
10	Production of bio	5(15)	108				33			141	141
	pesticides										
11.	IFS										
12.	Production of										
	seeds/ planting										
	materials										
13.	Capacity										
	Building and										
	Group Dynamics				<u> </u>						

14.	Agro forestry							
15.	Post harvest Technology							
16.	Resource Conservation Technology	1(2)	19		7		26	26
17.	Organic farming	1(3)	62		25		87	87
18.	Value addition							
19.	Integrated Water management							
20.	Mushroom cultivation							
21.	Bee keeping							
22.	Sericulture							
23.								
	Total							

9. Training programmes for Rural Youth (RY) during 2018-19

Sl.	Thematic area	No. of				No. of pa	articipant	S			
No.		Trainings (Courses)		Ma				Fema	ale		
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Tota l	G. Total
1.	Crop production										
2.	Horticulture										
	b. Vegetable crops										
	b. Fruits	2(5)	30				30			60	60
	c. Ornamental plants										
	d. Plantation crops										
	e. Tuber crops										
	f. Spices										
	g. Medicinal and Aromatic Plants										
	h. Preservation										
3.	Soil Health and Fertility Management/ INM										
4.	Livestock Production and management										
	f. Dairy										
	g. Piggery										
	h. Poultry	1(2)	15				3			18	18
	i. Duckery										
	j. Rabbitry										
5.	Fisheries										

6.	Home							
	science/Women							
	empowerment							
7.	Agri. Engineering							
8.	IPM							
9.	IDM							
10	ICM							
11.	IFS	1(2)	17		4		21	21
12.	Production of							
	seeds/ planting materials							
13.	Capacity Building							
	and Group							
	Dynamics							
14.	Agro forestry							
15.	Post harvest Tech							
	nology							
16.	Resource							
	Conservation							
	Technology							
17.	Value addition	2(0)			4.4			
18.	Organic farming	3(8)	31		14	45		45
19.	Integrated Water management							
20.	Mushroom	2(3)	16		16	32		32
	cultivation							
21.	Bee keeping	2(4)	20		20	40		40
22.	Sericulture							
23.	Any other (Pl.							
	specify)							
	Total	11(24)	129		87	216		216

10. Vocational training programmes for Rural Youth during 2018-19

Crop / Enterprise	Identified Thrust Area	No. of Trainings (Courses)	Training title	Durati on (days)	No. of Participants M F T		ants	Number of persons Self employed after training	Number of persons employed else where
Khasi mandarin Grape	Fruits and vegetables production	1(6)	Commercia 1 cultivation of major fruits and vegetables	3	20	1 0	30		

Total		2(10)		14			60	
Vermicomp ost	2(3)	1(4)	Vermicomp osting	11	19	1	30	
Tomato Chilli								

11. Training programmes for Extension Personnel (EP) during 2018-19

Sl.	Thematic area	No. of	No. of participants								
No.		Trainin	Ma	le			Fem	ale			
		gs (Course s)	SC/ST	OBC	Gen	Tota l	SC/ST	OBC	Gen	Total	G. Total
1.	Crop production	1(1)	9				2			11	11
2.	Horticulture										
	c. Vegetable crops										
	b. Fruits	1(3)	8				2			10	10
	c. Ornamental plants										
	d. Plantation crops										
	e. Tuber crops										
	f. Spices										
	g. Medicinal and Aromatic Plants										
	h. Preservation										
3.	Soil Health and Fertility Management/ INM										
4.	Livestock Production and management										
	k. Dairy	1(2)	8				2			11	11
	1. Piggery										
	m. Poultry										
	n. Duckery										
	o. Rabbitry										
5.	Fisheries										

6.	Home science/Women							
	empowerment							
7.	Agri. Engineering							
8.	IPM	1(2)	22		3		25	25
9.	IDM							
10	ICM							
11.	IFS							
12.	Production of seeds/ planting materials							
13.	Capacity Building and Group Dynamics							
14.	Agro forestry							
15.	Post harvest Technology							
16.	Resource Conservation Technology							
17.	Value addition							
18.	Organic farming	1(2)	23		7		30	30
19.	Integrated Water management							
20.	Mushroom cultivation							
21.	Bee keeping							
22.	Sericulture							
23.	Any other (Pl. specify)							
	Total	5(10)	70		16		86	86

12. Sponsored training programmes conducted by KVK during 2018-19

Sl.	Thematic area	No.	No. of participants								
No.		Of course	Male				Female				
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	G. Total
1	Agri. Economics										
2	Agri. Engineering										
3	Agri. Extension										
4	Agronomy										
5	Animal Science										
6	Capacity										

	building							
7	Crop Production							
8	Entomology							
9	Fisheries							
10	Home Science							
11	Horticulture	1	40		20		60	60
12	Inter							
	Disciplinary							
13	Plant Breeding							
14	Plant Pathology							
15	Plant Protection	4	61		20		81	81
16	Soil Science							
17	Plantation Crops							
	Organic farming	8	218		83		301	301
18.								
	Total	13	319	·	123	·	442	442

13. Summary of Extension Activities organized by KVK during 2018-19

Sl.	Extension Activity	No. Of	No. of participants								
No.	·	programm e		Ma				Fen	ıale		
			SC/S T	OBC	Gen	To tal	SC/ ST	O B C	Ge n	Tot al	G. Total
Α.	Extension Activities										
1	Diagnostic visits	40	30				10			40	40
2	Advisory Services	320	250				70			320	320
3	Animal Health Camp	2	150				80			230	230
4	Plant health camp										
5	Training/ practical manual										
6	Celebration of important days	4	33				22			55	55
7	Exhibition										
8	Exposure visits										
9	Farm Science Club Conveners meet										
10	Farmers Seminar/ workshop										
11	Farmers Visit to KVK										
12	Field Day	8	180				60			240	240
13	Group meetings/ Discussion	9	130				50			180	180
14.	Awareness Camp										
15.	Kisan Gosthi	3	50				20			70	70
16.	Kisan Mela										
17.	Mahila Mandal										

	Conveners' meetings							
18.	Method	7	100		40		140	140
	Demonstrations							
19.	Scientists visit to	20	42		18		60	60
	farmers field							
20	Self Help Group	2	45		10		55	55
	Conveners meetings							
21.	Soil health/ testing	6	200		40		240	240
	Campaigns							
22.	Film show	2	50		20		70	70
23.	Any other (Pl.							
	specify)							
	Total	423	1260		440		177	1770
_							0	
В.	Other Extension							
4	Activities	2.4						
1.	News paper coverage	24						-
2.	News letter	1						
3.	Research papers	1						
4.	Technical report/							
_	article Radio talks							
5.		2						
6.	TV Talks	2						
7.	Electronic media							
8.	CD publication	30						
9.	Extension literature Technical bulletins	30						-
10.	Literature delivered to	12						
11.		12						
12.	resource person Leaflets/folders							
13.	PRA	2						
13.	Total	71						
	Total	/1						
	Grand Total (A+B)	494	1260		440		177	1770
	, ,						0	

14. Production of seeds, planting materials and bio-products during 2018-19

Sl. No.	Major group/ Class	Quantity
Α.	Seeds (qt)	
1	CEREALS	40
2		8
<u> </u>	OILSEEDS	0
3	PULSES	6
4	VEGETABLES	28
4	VEGETABLES	20
6	Any Other (Pl. specify)	
	i.	
	ii.	
	Total (in Qt)	82
В.	Planting materials (in Nos.)	
1	Fruits	
2	Plantation crops	
3	Vegetables	75000
4.	Flowers/ cuttings	75000
5	Any Other (Pl. specify)	
	i.	
	ii.	
	Total	15000
C.	Bio-products	
1	Bio-fertilizers (qt)	20
2	Bio-agents (qt)	
3	Bio-pesticides (ltr)	
	Total (excluding bio-pesticides)	20
D.	Livestock	
1.	Livestock strains (Nos. in lakh)	0.0003
2.	Fingerlings (Nos. in lakh)	0.0007
	Total (Nos. in lakh)	0.0010

15. Production and Revenue generation by KVK from different sources during last three years

a. Seed production

Sl. No.	Стор				n (P) and r		e	Total	
		2016-1	7	2017-	18	2018	-19	P	R
		P	R	P	R	P	R		
A.	Cereal								
	Maize	0.2	10,000/-	0.5	20,000/-				
	Paddy	0.2	6,000/-			4	142500		
		0.2	8,000/-	1.0	25,000/-				
В.	Oilseeds								
ъ.	1. Mustard								
	2. Toria								
	3. Linseed								
	4. Soyabean								
	5. Sesame (Til)								
	6. Groundnut	0.05	3,000/-	1.0	25,000/-	0.8	48000		
C.	Pulses								
	1. Greengram								
	2. Redgram								
	3. Blackgram								
	4. Chickpea								
	5. Soyabean								
	6. Lentil								
	7. Cowpea								
	8. Field pea	0.5	50,000/-	0.5	30,000/-	0.6	36000		
D.	Vegetables								
	1. Cabbage								
	2. cauliflower								
	3. Brinjal		1				1		
	4. Potato		1			2.6	224000		
	5. Others					2.6	224000		
E.	Spices/ Condiments 1. Turmeric								
	1. Tuillelle								1

Total	-	1.15	77000	3	75000	8	450500	12.15	6,02,500
	specify)								
6.	Any other (Pl.								
5.	Cardamon								
4.	Black pepper								
3.	Chilli								
2.	Ginger								

b. Planting Materials/ Seedlings produced during last 3 years

Sl. No.	Planting materials	Pro	duction gen	in numb eration i			nue	Total		
		201	6-17	2017-1		2018-1	19	P	R	
		P	R	P	R	P	R			
A.	Vegetables									
	Chilli	3000	6000	5000	10000			8000	16000	
	Onion	10000	5000	10000	5000	10000	20000	30000	30000	
	Tomato	4000	4000	7500	15000	35000	35000	46500	54000	
	Cabbage	1000	1000			10000	1000	11000	2000	
	Brinjal			4000	4000			4000	4000	
	Brocolli					20000	20000	20000	20000	
B.	Fruits									
	1. Pineapple	500	2500	10000	20000			10500	22500	
	2.									
	3. 4.									
C.	Ornamental plants/									
	trees									
	1. Mari gold					75000	7500	75000	7500	
	2.					75000	7500	75000	7200	
	3.									
D.	Tree species									
	1.									
	2.									
	3.									
E.	Flowers									
	1.									
	2.						1			
	3.									
F.	Others (Pl. Specify)									
	1.									
	2.						1		1	
	3.									

Total	18500	18500	36500	54000	150000	65500	205000	156000
							203000	120000

c. Livestock strains/ Fingerlings produced during last 3 years

Sl. No.	Livestock strains / fingerlings	Pı	oductior ge	n in num neration			nue	Tota	l
		2016-1	7	2017-	-18	2018-19		P	R
		P	R	P	R	P	R		
A.	Livestock strains (nos.								
	in lakh)								
	1.								
	2.								
_	3.								
В.	Poultry								
	1.								
	2.								
C	3.								
C.	Duckery								
	1.								
	2. 3.								
D.									
υ.	Fisheries/ Fingerlings								
	(nos. in lakh)								
	1.								
	2.								
- F	3.								
Е.	Others (Pl. Specify)								
	1.								
	2.								
	3.							+	
	Total								

16. Scientific Advisory Committee (SAC) of KVK during 2018-19

Sl. No.	KVK	SAC conducted	Date (if	If no, why?
		(Yes/ No)	yes)	
1.	Champhai District	yes	15.jan.2019	-

17. Status of Revolving Fund (RF) of KVK during 2018-19 (in lakh)

Sl. No.	Activities under RF	Opening balance as on 1 st April, 2018	Income during the year	Expenditure during the year	Net balance in hand as on 31 st March, 2019
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	Mushroom	48,625	42680	3680	87625
1	Production Vermi- compost				
	Rice Planting materials and seeds				

18. Details of Cultivable land, land not in use and revenue generation by KVK during 2018-19

Sl.	KVK total	Cultivable	Cultivable	Revenue	Revenue	Total
No.	area (ha)	land area	land area generated		generated from	(1+2)
		available	of KVK	from	other sources	
		with the	not in use	cultivated	(Rs) other than	
		KVK(ha)	(ha)	KVK land	cultivated KVK	
				(Rs) (1)	land (2)	
Total	12.774	8.464	5.464	8600	-	8600

19. Achievement of Rain Water Harvesting Structure during 2018-19

Sl. No.	No. of Training programme	No. of planting materials produced	Visit by KVK staff

20. Achievement of Portable Carp Hatchery in KVKs during 2018-19

SI N	l. [o.	Activity	Fish Species	Traini ng	Farmer Benefici	Demo n(No.	Farmer	Village covered (No.)		erlings (o.)
			(Name)	condu cted (No.)	ary (No.))	Beneficiary (No.)		Prod uced	Distri buted
1.	•									

2.					
3.					
	Total				

21. Status of Soil & Water Testing Labs/ Soil Health Cards (SHCs) in KVKs during 2018-19

Sl. No.	Samples tested/ Analysed	Nos.	Farmer beneficiaries	Village covered	Amount realised (Rs.)	SHCs issued to farmers (Nos.)
1.	Soil sample	237	237	8	-	237
	Total	237				237

22. Soil testing during 2018-19

Sl.	Soil		Soil testing through										
No.	sample (No.)	Mridaparikshak (Nagarjun)	Soil testing Kit (Pusa, STFR)	From KVK lab/ any other lab (pl. specify the name)	Total								
1	237	237	-	-	237								

23. Mobile Advisory Services rendered by KVK during 2018-19

Messag e type	Cr	op	Live	stock	Wea	ther	Marl g	ketin	Aware	eness	Other	Ent.	Total	
	M	В	M	В	M	В	M	В	M	В	M	В	M	В
Text only	35	35	56	56	16	16	9	9	59	59	34	34	209	20 9
Voice only	124	124	50	50	34	34	45	45	67	67	23	23	282	28 2
Voice and Text both														
Total	159	159	106	106	50	50	54	54	66	66	57	57	491	49 1

Note: M-No. of Message, B-No. of Beneficiaries

24. List special programmes undertaken by the KVK, which have been financed/ sponsored by State Govt./ICAR/ Other Agencies during 2018-19

Sl. No	Name of special program	Major Activity	Duratio n and Date	No. of participan ts	Special Dignitary (pl. mention the name if any)	Funding agency/ Sponsorin g orgn.	Amount (Rs.) received
1	Pradhan Mantri Fasal Bima Yojana						
2	Mera Gaon Mera Gaurauv		05.11.20 18	30	BDO. Khawzawl	-	-
3	Rabi Campaign		11.10.20 18	50	SDO, Khawzawl	-	-
4	Kharif Campaign						
5	PPV&FRA awareness programme						
6	World Soil Health Day		05.12.20 18	67	VCP, Khawzawl	-	-
7	Jai Kisan Jai Vigyan		23.12.20	35	Bank Manager, Khawzawl, MRB		
8	Technology Week						
9	Skill Development Programme under ASCI						
10	Swachh Bharat Abhiyan		15.9.201 8- 2.10.201 8	125	VCP, Khawzawl	-	-
11	Sankalp Se Sidhi						
12	Swachhta Pakhwada						
13	Kisan Kalyan Abhiyan						
14	Swachhta Action Plan						
15	Any other (pl. Specify)						
	i.						
	ii.						

Total	307	

25. Cluster FLD (CFLD) on Oilseeds under MNOOP during 2018-19

Crop	Variety	No. of Farmers/	Area		ge Yield 'ha)	% Increase		age Cost of tion (Rs./ha)	Av. B:C
		Demonstr ations	(ha)	Demo	Check	(Av.)	Demo	Check	Ratio
Groundnut	GPBD-4	25	10	8.5	6.8	25	51000	43000	1.55
Sunflower									
Linseed									
Mustard									
Rapeseed									
Sesamum									
Soybean									
Toria									
Total		25	10	8.5	6.8	25	51000	43000	

26. Cluster FLD (CFLD) on Pulses under NFSM during 2018-19

Crop	Variety	No. of Farmers	Are a		ge Yield 'ha)	% Increase	of cult	ge Cost ivation ./ha)	Av. B:C Ratio
		Demons	(ha)	Demo	Check	(Av.)	Demo	Check	
Arhar						, ,			
Black gram									
Cowpea									
Field Pea									
French Beans									
Green gram									
Peas	Azad pea 3 \IPFD 10-12	23	10	920	680	35.29	23000	21000	1.82
Rajmah									
Rice bean									
Lentil									
Any other (Pl. specify)									
Total		23	10	920	680	35.29	23000	21000	

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

Item	Title /and Name of Journal	Authors name	Number of
			copies (where

			applicable)
Research papers			
1.	1. Influence of organic manures and bio-dynamic preparations on growth, yield and quality of Khasi mandarin (<i>Citrus reticulata</i> Blanco) in Mizoram, NorthEast India. (Indian J. Agric. Res., 52(5) 2018: 576-580)	Malsawmkimi	
2.			
3.			
Training manuals			
Technical Report			
1.			
2.			
3.			
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter			
Conference/ workshop proceedings			
Popular articles			

Leaflets/folders	1)Purun Var Chin Dan(Garlic Cultivation) 2)Sacha Inchi(Star Bean) Chin Dan (Star Bean Cultivation) 3)Tomato Chin Dawna Hriattur Pawimawhte(Important packages of practices on Tomato cultivation) 4)Wheat Chin Dan(Wheat Cultivation) 5)Zikhlum (Cabbage)Chin Dan(Cabbage Cultivation) 6)Capsicum(Hmarchapui) Chin dawn a hriattur pawimawhte(Important packages of practices on Capsicum cultivation) 7)Thlasik Thlai(Rabi Crops) chin dawna hriattur te.(Importrant Points to remember for Rabi Crops Cultivation) 8) Azolla Chin Dan(Cultivation of Azolla)	Malsawmkimi R. Vanlalduati Dr. Om Prakash	
e-publications			
Any other (Pl. specify)			
TOTAL	9		

(Highlight a brief activities undertaken towards gender empowerment by your KVK with action photographs)

29. Awards and recognitions received by your KVK during 2018-19

Sl. No.	Name of Award/ recognition/ fellowship	Professional Society/ Govt./ ICAR/ Any other agency (pl. specify)	Value of award (Rs. In lakh)	Salient Contribution/ achievement
1	3 rd Prize on Swachh Survekshan 2018	Khawzawl Town Sanitation Task Force	5000/-	Most Clean Office & Complex
	1 st Prize on Cleanliness Week 2018	Cleanliness Week Organizing Committee, Khawzawl	10,000/-	Most Clean Office & Complex

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

FLD in Paddy cum Fish Culture:

AllAltogether, 20 farmers learned the modern technology of paddy cum fish culture. The farmers earned about in average an amount of Rs. 45,000 per acre. Farmers has mastered the art of breeding common carps for which some farmers engaged in fingerlings production has a surplus income of another Rs. 30,000 to 40,000 from selling of fingerlings to other surrounding villages. It has also been observed that people from adjoining villages has preferred the locally breeded fingerlings over the imported ones as it has more adaptability and bettergrowth rate. The farmers of Khawzawland adjoining villages are adopting thistechnology of paddy cum fish culture which is expected to take anothermassive outcome in the coming season.

31. Functional linkage of the KVK with different organizations established during 2018-19

Name of organization/ Agency	Nature of linkage	Activities
State Department of Agriculture	Trainings Diagnostic visits	Implementation of RKVY, NFSM, supply of subsidized inputs like chemicals, farm machinery etc

NABARD	Project	Implementation of
	Trainings	Project and Trainings
ATMA	Assessment/refinement	Training and technical
	Designated expert support	advice as Resource
		person
IWMP	Training	Training and technical
		advice as Resource
		person
Block Development Office	Training	Training and technical
		advice as Resource
		person

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

Note: The figure/ data/ information under each point must invariably tally with those provided in the Annual Report, 2018-19 to avoid any discrepancy while compilation.

Signature of Sr. Scientist cum Head

KVK, Champhai District