

**Requisite Information for ICAR-ATARI, Zone-VII
Annual Report (Jan -Dec, 2022)**

1. **KVK: Champhai District**

2. **STAFF POSITION**

Category	Staff			TOTAL		
	Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant
Head (01)	1	1	-	1	1	-
SMS (06)	6	3	3	6	3	3
Prog. Assistant (02)	2	2	-	2	2	-
Farm Manager (01)	1	1	-	1	1	-
Asst. Superintendent (01)	1	1	-	1	1	-
Stenography (01)	1	1	-	1	1	-
Supporting staff (02)	2	1	1	2	1	1
Driver (02)	2	2	-	2	2	-
Total (16)	16	12	4	16	12	4

3. **Details of Villages in the KVK District**

Sl No. (i)	Total No of Villages in the District (ii)	Total no of Villages adopted by KVK till date (iii)	Total No of Villages covered by KVKs interventions/activities (iv)	% of Villages Covered based on Col. ii & iv (v)
1	92	39	41	42.39

4. **Summary of Agricultural Technologies assessed and Refined under different thematic Areas during 2022**

Sl. No.	Thematic area	No. of Technology Assessed	No. of Trials	No. of Locations	Farmer Beneficiary (No.)
1	Varietal Evaluation	1	3	3	3
2	Integrated Nutrient Management/ Soil health management	2	13	13	13
3	Integrated Crop Management	1	3	3	3
4	Integrated Pest Management				
5	Integrated Disease Management				
6	Weed Management				
7	Water				

	management				
8	Storage technique				
9	Farm Machineries/ implements				
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	Marketing				
17	ICT				
18	Rural Compost &Nutrient Enriched Compost	2	13	13	13
	Total				
Sl. No.	Thematic area	No. of technology refined	No. of trials	No. of Locations	Farmer Beneficiary (No.)
1	Varietal Evaluation				
2	Integrated Nutrient Management/ Soil health 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/ implements				
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	Marketing				
17	ICT				
18	Any Other				
	Total				

5. Summary of Livestock Technologies assessed and refined under different thematic areas during 2022

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

6. Frontline Demonstration on Oilseeds Crops during 2022

Crop	Variety	No. of Farmers/Demo.	Arrea (ha)	Average yield (q/ha)		Avg.% Increase in yield	Economics of the FLD					
				Demo	Check		Avg.cost of cultivation (Rs/ha)		Avg.Gross return		Avg.Benefit-Cost ration	
							Demo	Check	Demo	Check	Demo	Check
Groundnut	ICGV 91114	10	2.5	8.35	6.20	34.61	38650	32000	85860	59200	2.22	1.85
Sunflower												
Linseed												
Mustard												
Rapeseed												
Sesamum												
Soybean												
Toria												
Total	1	10	2.5	8.35	6.20	34.61	38650	32000	85860	59200	2.22	1.85

7. Frontline Demonstration on Pulse Crops during 2022

Crop	Variety	No. of Farmers/Demo.	Arrea (ha)	Average yield (q/ha)		Avg.% Increase in yield	Economics of the FLD					
				Demo	Check		Avg.cost of cultivation (Rs/ha)		Avg.Gross return		Avg.Benefit-Cost ratio	
							Demo	Check	Demo	Check	Demo	Check
Arhar												
Black gram												
Cowpea												
Field Pea	Aman	15	5.0	21.80	14.2	53.5	37620	28500	85350	48950	2.27	1.70
French Beans												
Green gram												
Peas												
Rajmah												
Rice bean												
Lentil	IPL-316	10	5	8.85	6.90	28	25,070	19,800	56,467	41,400	2.2	2.0
Any other (Pl. specify)												
Total	2	25	10									

8. Frontline Demonstration on Other Crops during 2022

Crop	Variety	No. of Farmers/Demo.	Arrea (ha)	Average yield (q/ha)		Avg.% Increase in yield	Economics of the FLD					
							Avg.cost of cultivation (Rs/ha)		Avg.Gross return		Avg.Benefit-Cost ratio	
				Demo	Check		Demo	Check	Demo	Check	Demo	Check
A. Cereals												
Paddy												
Wheat												
Maize (Kharif, Rabi, Summer)												
Cropping system (Intercropping maize+green gram)												
Total												
B.Vegetables												
Brinjal												
Bottle Gourd												

Pointed gourd												
French Bean												
Pumpkin												
Potato												
Sweet Potato												
Tapioca												
Cabbage												
Cauliflower												
Carrot												
Tomato												
Broccoli												
Capsicum												
Cucumber												
Lettuce												
Other Leafy Vegetables												
Any other - Broadbean												
Total												

C. Spices												
Turmeric												
Ginger												
Chillies												
Coriander												
Black pepper												
Onion												
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												
Any other (Pl. specify)												
Total												
Grand Total (A+B+C+D)												

9. Frontline demonstrations conducted on hybrids by KVKs during 2022

Crop	Name of the Hybrid	No of farmers	Area (ha)	Yield (qtl/ha)		
				Demo	Local check	% Change
Cereals (q/ha)						
Maize						
Rice (Paddy)						
Total						
Vegetables crops						
Bhindi/Okra						
Bittergourd						
Brijal						
Cabbage						
Chilli (green)						
Cucumber						
Pumpkin						
Tomato						
Total						
Grand Total						

10. Frontline demonstrations conducted on livestock and fisheries by KVKs during 2022.

Enterprise	Name of Breed/ Species	No. of farmers/ Demons	No. of animals, poultry birds etc.	Performance parameters / indicators	% change in the parameter
Dairying					
Poultry					
Goatery					
Duckery (Feeding Management)					
Piggery					
Rabbitary					
Any other (Pl. specify)					
Fishery					
Total					

11. Frontline Demonstration on Other agri-based enterprises during 2022

Category	No of FLDs	No. of Farmer	No. of units	Performance parameters/ indicators	% change in parameter
Animal cum fish based IFS					
Paddy cum Fish					
Vermicomposting					
Chowchow					
Grain storage					
Banana fibre extractor					
Impact assessment					
Home Science					
Apiculture					
Mushroom					
Nutritional Garden					
Polyhouse					
Vegetable Nursery					
Flower Nursery					
Value Addition Spices (Ginger, Turmeric etc.)					
Participatory video making					
Fish Silage					
Extraction of fiber from Okra					
Forest Species (Reclamation of degraded land with MPTS)					
Zero Energy Cool Chamber					
Bee hive Briquette Chulha					
Food Processing					
Fodder production					
Impact Assessment					
Natural Farming					
Recycling of waste	1	10	10	Yield demo- 8.1q/pit Farmer Practice- 6.5q/pit	
Rain water harvesting					
Protective Clothing					
Sugarcane					
Nutritional Diet					
Feed Management					
Water Resource Management					
Sloppy Agriculture Land Technology (SALT)					
Broom grass					
Low cost evaporative					

cool storage structure					
Jalkund					
Total					

12. Frontline Demonstration on Farm machineries/ implements during 2022

Name of the implement/ machineries	Crop	Area (ha) covered	No. of Farmer/ Demon	Performance parameters / indicators	% change in parameter

13. Frontline Demonstration on Hybrid during 2022

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha)		
				Demo	Local check	% change

14. Training programmes for farmers during 2022

Sl. No.	Thematic area	No. of Trainings (Courses)	No. of participants								G. Total
			Male				Female				
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	
1.	Crop production	9	124	-	-	124	110	-	-	110	234
2.	Horticulture										
	a. Vegetable crops										
	b. Fruits										
	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	61	-	-	61	32	-	-	32	93
4.	Livestock Production and management										

	a. Dairy										
	b. Piggery										
	c. Poultry										
	d. Duckery										
	e. Rabbitry										
5.	Fisheries										
6.	Home science/Women empowerment										
7.	Agri. Engineering										
8.	IPM										
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	1	12	-	-	12	7	-	-	7	19
17.	Organic farming	2	27	-	-	27	12	-	-	12	39
18.	Value addition										
19.	Integrated Water management										
20.	Mushroom cultivation	3	5	-	-	5	33	-	-	33	38
21.	Bee keeping										
22.	Sericulture										
23.	Any other (Pl. specify)										
	Total										

15. Training programmes for Rural Youth (RY) during 2022

Sl. No.	Thematic area	No. of Trainings (Courses)	No. of participants								G. Total
			Male				Female				
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	
1.	Crop production	2	43			43	17			17	60
2.	Horticulture										
	b. Vegetable crops										
	b. Fruits										
	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										
	i. Duckery										
	j. Rabbitry										
5.	Fisheries										
6.	Home science/Women empowerment	1	-	-	-	-	15	-	-	15	15
7.	Agri. Engineering										
8.	IPM										
9.	IDM										
10.	ICM										
11.	IFS										
12.	Production of seeds/ planting materials										
13.	Capacity Building and Group Dynamics										
14.											
14.	Agro forestry										
15.	Post harvest Technology										
16.	Resource Conservation Technology										
17.	Value addition	3	-	-	-	-	53	-	-	53	53

18.	Organic farming										
19.	Integrated Water management										
20.	Mushroom cultivation	4	11	-	-	11	28	-	-	28	39
21.	Bee keeping										
22.	Sericulture										
23.	Any other (Pl. specify)Controlled structure										
	Total										

16. Vocational training programmes for Rural Youth during 2022

Area of training	No. of Courses	Duration (days)	No. of Participants								
			General/OBC			SC/ST			Grand Total		
			M	F	Total	M	F	Total	M	F	Total
a. Crop production and management											
Commercial floriculture											
Commercial fruit production											
Commercial vegetable production											
Integrated crop management											
Organic farming	1	5	-	-	-	11	4	15	11	4	15
Other											
Total											
b. Post harvest technology and value addition											
Value addition	1	3	-	-	-	-	21	21	-	21	21
Other											
Total											
c. Livestock and fisheries											
Dairy farming											
Composite fish culture											
Sheep and goat rearing											
Piggery											
Poultry farming											
Other											
Magur Fish farming											
Total											
d. Income generation activities											
Vermicomposting	3	5	-	-	5	12	8	20	12	8	20
Production of bio-	2	3	-	-	-	11	9	20	11	9	20

agents, bio-pesticides,												
Bio-fertilizers etc.												
Repair and maintenance of farm machinery & implements												
Rural Crafts												
Seed production												
Sericulture												
Mushroom cultivation	2	2	-	-	-	8	27	35	8	27	35	
Nursery, grafting etc.												
Tailoring, stitching, embroidery, dying etc.												
Agril. Paraworkers, paravet training												
Compost making	2	3	-	-	-	17	3	20	17	3	20	
Total												
e. Agricultural Extension												
Capacity building and group dynamics												
Marketing of Agri Produces												
FPO formation												
Other												
Total												
Grand Total												

17. Training programmes for Extension Personnel (EP) during 2022

Sl. No.	Thematic area	No. of Trainings (Courses)	No. of participants								G. Total
			Male				Female				
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	
1.	Crop production	1(1)	11			11	4			4	15
2.	Horticulture										
	c. Vegetable crops										
	b. Fruits										
	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	1(1)	8	-	-	8	-	-	-	-	8
4.	Livestock Production and										

	management										
	k. Dairy										
	l. Piggery										
	m. Poultry										
	n. Duckery										
	o. Rabbitry										
5.	Fisheries										
6.	Home science/Women empowerment										
7.	Agri. Engineering										
8.	IPM										
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										
19.	Integrated Water management										
20.	Mushroom cultivation										
21.	Bee keeping										
22.	Sericulture										
23.	Any other (Pl. specify)										
	Total										

18. Sponsored training programmes conducted by KVK during 2022

Thematic area	No. Of course	No. of participants								G. Total
		Male		Gen		Female		Gen		
		SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	
a. Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site	2	14	-	-	14	8	-	-	8	22
Methods of protective cultivation										
Other-Microbial inoculants in vegetable crops										
Total										
b. Post harvest technology and value addition										
Processing and value addition										
Other										
Total										
c. Farm machinery										
Farm machinery, tools and implements										
Other										
Total										
d. Livestock and fisheries										
Livestock production and management	3	74	0	0	74	46	0	0	46	120
Animal Nutrition Management	1	12	0	0	12	4	0	0	4	16
Animal Disease Management										
Fisheries Nutrition										
Fisheries	1	18	0	0	18	8	0	0	8	26

Management										
Other RPL /DDUGKY										
Total	5	104	0	0	104	58	0	0	58	162
e. Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Other										
Total										
f. Agricultural Extension										
Capacity Building and Group Dynamics										
Other										
Total										
Grant Total										

19. Summary of Extension Activities organized by KVK during 2022

Sl. No.	Extension Activity	No. Of programme	No. of participants								G. Total
			Male				Female				
			SC/ST	OB C	Gen	Total	SC/ST	OB C	Gen	Total	
A.	Extension Activities										
1	Diagnostic visits	36	78			30			108	108	
2	Advisory Services	240	160			80			240	240	
3	Animal Health Camp										
4	Plant health camp										
5	Training/ practical manual										
6	Celebration of important days	10	160			105			265	265	
7	Exhibition	1	186			139			325	325	
8	Exposure visits	1	8			2			10	10	
9	Farm Science Club Conveners meet										
10	Farmers Seminar/ workshop	1	30			15			45	45	
11	Farmers Visit to	55	340			220			560	560	

	KVK									
12	Field Day	4	52			33			85	85
13	Group meetings/ Discussion									
14.	Awareness Camp	5	98			62			160	160
15.	Kisan Gosthi									
16.	Kisan Mela	1	160			202			362	362
17.	Mahila Mandal Conveners' meetings									
18.	Method Demonstrations									
19.	Scientists visit to farmers field	36	78			30			108	108
20	Self Help Group Conveners meetings	3	72			53			125	125
21.	Soil health/ testing Campaigns									
22.	Film show									
23.	Any other (Pl. specify)									
	Total									
B.	Other Extension Activities									
1.	News paper coverage	23	-			-			-	-
2.	News letter									
3.	Research papers									
4.	Technical report/ article									
5.	Radio talks									
6.	TV Talks									
7.	Electronic media									
8.	CD publication									
9.	Extension literature									
10.	Technical bulletins									
11.	Lecture delivered as resource person									
12	Mobile app introduced									
13	Whatsapp Group for Farmers/Entrepreneu rs formed	7	115			65			180	180
12.	Leaflets/folders	6	180			160			340	340
13.	Any other (Pl. Specify)									
	Total									
	Grand Total (A+B)									

20. Production of seeds, planting materials and bio-products during 2022

Sl. No.	Major group/ Class	Quantity
A.	Seeds (qt)	
1	Cereals	20
2	Oilseeds	5
3	Pulses	8
4	Vegetables (Potato)	50
5	Spice	
6	Any Other (Pl. specify)	
	i.	
	ii.	
	Total (in Qt)	83
B.	Planting materials (in Nos.)	
1	Fruits	1000
2	Plantation crops	
3	Vegetables	30600
4.	Flowers/ cuttings	
5	Any Other (Pl. specify)	
	i.	
	ii.	
	Total	31600
C.	Bio-products	
1	Bio-fertilizers (qt)	5q
2	Bio-agents (qt)	
3	Bio-pesticides (ltr)	
	Total (excluding bio-pesticides)	5q
D.	Livestock	
1.	Livestock strains (Nos. in lakh)	
2.	Fingerlings (Nos. in lakh)	
	Total (Nos. in lakh)	

21. Production and Revenue generation by KVK from different sources during 2022

a. Seed production

Sl. No.	Crop	Production and revenue generation	
		Production (q)	Revenue (lakh)
A.	Cereal		
	1. Rice	15	0.75
	2. Wheat		
	3. Maize	5	0.42
	4. Others (Pl. Specify)		
B.	Oilseeds		
	1. Mustard		
	2. Toria		
	3. Linseed		
	4. Soyabean		
	5. Sesame (Til)		
	6. Ground nut	5	0.60

	7. Others (Pl. Specify)		
C.	Pulses		
	1. Greengram		
	2. Redgram		
	3. Blackgram		
	4. Chickpea		
	5. Soyabean		
	6. Lentil		
	7. Cowpea		
	8. Others (Field Pea)	8	0.80
D.	Vegetables		
	1. Cabbage		
	2. Cauliflower		
	3. Brinjal		
	4. Potato	50	2
	5. Others		
E.	Spices/ Condiments		
	1. Turmeric		
	2. Ginger		
	3. Chilli		
	4. Black pepper		
	5. Cardamon		
	6. Any other (Pl. specify)		
F.	Mushroom (oyster)		
	Total		

b. Planting Materials/ Seedlings produced during 2022

Sl. No.	Planting materials	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	Vegetables	30600	0.22
B.	Fruits		
	1.	1000	0.10
	2.		
	3.		
	4.		
C.	Ornamental plants/ trees		
	1.		
	2.		

	3.		
D.	Tree species		
	1.		
	2.		
	3.		
E.	Flowers		
	1.		
	2.		
	3.		
F.	Others (Pl. Specify)		
	1.		
	2.		
	3.		
	Total	31600	0.32

c. Livestock strains/ Fingerlings produced during 2022

Sl. No.	Planting materials	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	Livestock strains (nos. in lakh)		
	1.		
	2.		
	3.		
B.	Poultry		
	1.		
	2.		
	3.		
C.	Duckery		
	1.		
	2.		
	3.		
D.	Fisheries/ Fingerlings (nos. in lakh)		
	1. IMC & Exotic Spawn		
	2. IMC & Exotic fry		
	3. IMC & Exotic fingerling		
E.	Others (Pl. Specify)		
	1. Piglets		
	2.		
	3.		
	Total		

22. Scientific Advisory Committee (SAC) of KVK during 2022

Sl. No.	KVK	SAC conducted (Yes/ No)	Date (if yes)	If no, why?
1	Champhai	Yes	14.12.2022	

23. Status of Revolving Fund (RF) of KVK (in lakh) during 2022

Sl. No.	Activities under RF	Opening balance as on 1 st April, 2021	Income during the year	Expenditure during the year	Income to be generated	Net balance in KVK as on 31 st March, 2022
1	Returns from rent of farm equipments and vermicompost	224,396	48,158	138,000	Returns from rent of farm equipments and vermicompost	134,554
	Total	224,396	48,158	138,000		134,554

24. Details of Cultivable land, land not in use and revenue generation by KVK during 2022

Sl. No.	KVK total area (ha)	Cultivable land area available with the KVK(ha)	Cultivable land area of KVK not in use (ha)	Revenue generated from cultivated KVK land (Rs) (1)	Revenue generated from other sources (Rs) other than cultivated KVK land (2)	Total (1+2)
1	12.774	8.464	3.464	-	-	-
Total	12.774	8.464	3.464	-	-	-

25. Achievement of Rain Water Harvesting Structure during 2022

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

26. Achievement of Portable Carp Hatchery in KVKs during 2022

Sl. No.	Activity	Fish Species (Name)	Training conducted (No.)	Farmer Beneficiary (No.)	Demonstration (No.)	Farmer Beneficiary (No.)	Village covered (No.)	Fingerlings (No.)	
								Produced	Distributed
1.									
2.									
3.									
	Total								

27. Status of Soil & Water Testing Labs/ Soil Health Cards (SHCs) in KVKs during 2022

Sl. No.	Samples tested/ Analysed	Nos.	Farmer beneficiaries	Village covered	Amount realised (Rs.)	SHCs issued to farmers (Nos.)
1.	Soil sample	370	521	12	-	370
2.	Water sample					
3.	Plant sample					
	Total	370	521	12	-	370

28. Soil testing during 2022

Sl. No.	Soil sample (No.)	Soil testing through			
		Mridaparikshak	Soil testing Kit	From KVK lab/ any other lab (pl. specify the name)	Total
1	370	Nil	370	KVK	370

29. Mobile Advisory Services rendered by KVK during 2022

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Enterprise		Total	
	M	B	M	B	M	B	M	B	M	B	M	B	M	B
Text only	35	35	56	56	16	16	9	9	59	59	34	34	209	209
Voice only	124	124	50	50	34	34	45	45	67	67	23	23	282	282
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	159	159	106	106	50	50	54	54	66	66	57	57	491	491

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

30. List special programmes undertaken by the KVK, which have been financed/ sponsored by State Govt./ICAR/ Other Agencies during 2022

Sl. No.	Name of special program	Major Activity	Duration and Date	No. of participants	Special Dignitary (pl. mention the name if any)	Funding agency/ Sponsoring orgn.	Amount (Rs.) received
1	CFLD Pulses	Seed and distribution of organic input	Oct-Feb, 2022	27	VCP	ICAR	74538

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31. Cluster FLD (CFLD) on Oilseeds under MNOOP during 2022

Crop	Variety	No. of Farmers/ Demonstrations	Area (ha)	Average Yield (q/ha)		% Increase (Av.)	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
				Demo	Check		Demo	Check	
Groundnut									
Sunflower									
Linseed									
Mustard									
Rapeseed									
Sesamum									
Soybean									
Toria									
Total									

32. Cluster FLD (CFLD) on Pulses under NFSM during 2022

Crop	Variety	No. of Farmers / Demos	Area (ha)	Average Yield (q/ha)		% Increase (Av.)	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
				Demo	Check		Demo	Check	
Arhar									
Black gram									
Cowpea									
Field Pea	Aman	15	2.4	9.15	6.80	34.50	38400	32800	2.38
French Beans									
Green gram									
Peas									
Rajmah									
Rice bean									
Lentil									
Any other (Pl. specify)									
Total									

33. MGGM of KVKs during 2022

No of Villages	Participants		No of Visit made	Participants		No of demonstration	Participants		No of Farmers meeting	Participants	
	SC/ST	Others		SC/ST	Others		SC/ST	Others		SC/ST	Others
2	52	-	3	17	-	1	7	-	2	33	-

34. Natural Farming during 2022

No. of demonstrations conducted	Participants		No. Trainings	Participants		No. of Awareness Programs	Participants	
	SC/ST	Others		SC/ST	Others		SC/ST	Others
2	2	-	3	38	-	1	21	-

35. Achievements under DAMU KVKs during 2022 (only selected KVKs)

No of KVKs	Beneficiaries	Advisories given (no)	Training organised (no)	Dissemination of Advisories

36. Format for Current Progress of Cluster Demonstrations on Organic Farming under PKVY during 2022 (only selected KVKs)

No. of clusters formed	No. of Farmers registered	Area covered (Ha)	No. of LRP identified	Number of clusters linked to certification agency	No. of clusters in which organic production started	Name of crops which are produced organically in clusters
2	40	20	2	-	1	Mizo Chilli & French Bean

Number of clusters linked to markets	Mobilization/ awareness camps organized		Farmers meetings organized		Training programmes organized		Exposure visits organized	
	No. of activities	No. of farmers	No. of activities	No. of farmers	No. of activities	No. of farmers	No. of activities	No. of farmers
2	1	22	4	40	2	20	-	-

37. Report on Agri Drone project (only selected KVKs)

S.No.	Name on the Project Implementing Centre (PIC)	No. of Kisan Drones Sanctioned	Target Area for Drone Demonstration (Ha)	No. of Kisan Drones Purchased by the PIC	Make and Model of Purchased Kisan Drone	Purchased cost of each drone (Rs.)	No. of Kisan Drone Demonstration organized	Date and Place of Kisan Drone Demonstration	Operation carried out (Pesticide /Nutrient application)	Area Covered under the Kisan Drone Demonstration	Number of farmers participated	Advantages of using Kisan Drones as observed during the demonstrations	Problems any encountered in Drone Purchase and their Demonstration	Additional Remarks if any

38. Status of NARI during 2022

Name of Nutri-SMART Village	T1	T2	T3	Area (ha)	No of Beneficiaries	Name of crop	T1			T2			T3		
							Name of variety	Yield (q/ha)	Consumption (kg)	Name of variety	Yield (q/ha)	Consumption (kg)	Name of variety	Yield (q/ha)	Consumption (kg)
Tuipui	Okra	Broccoli		2	22	Okra	Arka Anamika	32q/ha	30 kg	Green magic	21q/ha	50 kg			

		li													

39. Literature Developed/Published (with full title, author & reference) during 2022

Item	Title /and Name of Journal	Authors name	Number of copies (where applicable)
1.	Package and Practices of Tomato variety Arka Abhed	Dr.Malsawmkimi	200
2.	Package and Practices of Moringa	Dr.Om Prakash	80
3.	Vermicompost	R.Vanlalduati	120
4.	Nutrient Enriched Compost	R.Vanlalduati	50
5.	Rural Composting (Indore method)	R.Vanlalduati	50
TOTAL			

40. Gender Issues for technological empowerment of farm women in agriculture during the period 2022

SI No.	Activities	Village covered	Number of participant
1	Mushroom production	Khawzawl	10
2	Baking, food processing and preservation	Khawzwl	100
3	Pickle making to SHGs	Khawzawl	130
4	Processing of Amla	Sialhawk	5
5	Food and nutrition for farmers	Khawzawl	40
6	Processing of Tomato	Tualte	25
7	International women's day	Khawzawl	60
8	Post harvest management of fruits	Khawzawl	55
Total			425



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

41. Awards and recognition received by your KVK during 2022

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	Cleanliness Week Competition	Khawzawl District Sanitation Task Force	3,000/-	3 rd Prize

42. Success stories/Case studies, if any (two- or three-pages write-up on each case with suitable action photographs during the period during 2022

Success story on Open cultivation of French bean variety *Zorin bean*

Introduction

Mr. J.Lalthanzela is an enthusiastic and motivated farmer from Chawngtlai village, Khawzawl district, Mizoram. He is hardworking and his primary occupation is agriculture. He is landless; he borrows the land from the village council of Chawngtlai for his farming. He was growing French bean and tomato, but he could not get high yield due to lack of knowledge and high-yielding varieties, even though the climate and other natural resources were favorable. To overcome his situation, he visited Krishi Vigyan Kendra (KVK) in the year 2022 and KVK Scientists advised him to follow scientific cultivation of tomato and French bean as they taught him, they even highlighted DBT Biotech KISAN Hub. He has shown keen interest in DBT Biotech KISAN Hub project being implemented by Department of Horticulture, Aromatic and Medicinal plants, Mizoram University, Aizawl and Govt. of Mizoram, KVK Khawzawl, Champhai District and he had selected as one of the beneficiaries for Open cultivation of French Bean variety *Zorin bean*.

Methodology

He cultivated French bean and tomato covering around one acre during kharif season as per advised by the KVK experts.. He followed sowing of French bean after 45-60 days after transplanting of Tomato. The seeds were sown around the bamboo pole used for support at an interval of 2 feet x 1.5 feet spacing of tomato trellis by wiring with a rope. The cost involved in setting up of a bean poles were highly reduced as tomato trellis are used for initial growth of bean vines. His field has been used as field demonstration unit for these crops and facilitated in organizing exposure visits and training of farmers in Champhai District. He also produces seeds of French bean crops in his field, which he sells to other farmers in and around the villages. He continued to cultivate French bean in the same piece of land during rabi season to get higher income.

Output and outcome

- KVK had been given Vermi bed for compost pit as he himself can make organic manures by using his crop residue and weed biomass.
- After seeing his success and hardworking, Village council member of Chawngtlai had allowed him to borrow more land for cultivating vegetables for the next year 2023.
- Mr. J.Thangzela is now a role model for other farmers in adopting the technology and farmers from adjoining locality often pay visit to him.

Result:

No.of pods/plant	171 nos
Pod length (cm)	21 cm
Fruit weight (gm)	16 gm
Pod yield (q/acre)	26 q/acre
Average Price obtained per kg	Rs 80/-
Cost of cultivation per acre (Rs./acre)	52,410
Net income per acre (Rs./acre)	1,55,590/-

The DBT Biotech KISAN Hub project activities have helped in enhancing his income and he has earned Rs 1, 55,590/- as net profit from cultivation of French Bean crops.



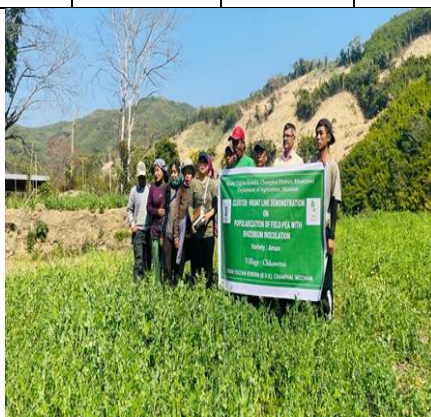
Success Story of CFLD Pulses KVK Champhai District, Mizoram

Farmers of KVK Champhai, Mizoram have been cultivating old local varieties of Pea generally buying from the Grocery shop which are low yielding, tall stature, and sensitive to Powdery mildew and long duration (120 days maturity). These characteristics of old varieties do not

attract the farmers for commercial cultivation and moreover it was not profitable. Pea are generally sown during second week of October and harvested during last week of January. The main reason for introduction of Azad Pea-3 is to increase garden pea production as well as cropping intensity and farmer's income.

Initially, 9 farmers have adopted the intervention of cultivation of short duration HYV Garden Pea (var. Azad Pea-3), during the year 2016-17. Recently, 102 farmers from Vengsang, Tlangsang, Zotlang, Ruantlang, Mualkawi, Tuipui, Khawzawl, Tualte and Chhawrtui villages covering 53.5 hectares of land. The average productivity of the variety was 2.4 t/ha with a net return of Rs 58,000.

Interventions	Extent of adoption in the village in ha					
	2017	2018	2019	2020	2021	2022
Garden Pea (var. Azad Pea-3)	1	4.5 ha	18.2 ha	45.8 ha	51.0	53.5
Number of Village covered	2	2	5	7	10	12



43. Functional linkage of the KVK with different organizations established during 2022

Name of organization/ Agency	Activities/ programmes	Nature of linkage
NABARD	Implementation of Project and Trainings	Implementation of Project and Trainings
ATMA	Training and technical advice as Resource person	Training and technical advice as Resource person
Block Development Office	Training and technical advice as Resource person	Training and technical advice as Resource person
NGOs AMFU, YMA etc	Technology transfer, Awareness programme, Celebration of important days	Technology transfer, Awareness programme, Celebration of important days

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.
- Each KVK has to send 4-5 nos. of good quality action photographs in JPEG during submission of the format.