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

1. KVK: Kohima Nagaland

2. STAFF POSITION

Category	Staff			TOTAL		
	Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant
Head (01)	1	1	0	1	1	0
SMS (06)	6	6	0	6	6	0
Prog. Assistant (02)	2	2	0	2	2	0
Farm Manager (01)	1	1	0	1	1	0
Asst. Superintendent (01)	1	1	0	1	1	0
Stenography (01)	1	1	0	1	1	0
Supporting staff (02)	2	2	0	2	2	0
Driver (02)	2	2	0	2	2	0
Total (16)	**16**	**16**	0	**16**	**16**	0

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	**99**	**30**	**86**	**86.84**

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

Sl. No.	Thematic area	No. of Technology Assessed	No. of Trials	No. of Locations	Farmer Beneficiary (No.)
1	Varietal Evaluation	5	15	13	33
2	Integrated Nutrient Management/ Soil health management	4	20	13	13
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 (Pl. specify)				
	Total	**9**	**35**	**26**	**46**

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	**1**	**3**	**3**	**8**
12	Drudgery reduction				
13	Post-harvest lost/ technology				
14	Resource Conservation Technology (RCTs)				
15	Mushroom cultivation				
16	Marketing				
17	ICT				
18	Any Other				
	Total	**1**	**3**	**3**	**8**

4. Summary of Livestock Technologies assessed and refined under different thematic areas

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

5. Frontline Demonstration on Oilseeds Crops

Crop	Variety	No. of Farmers/ Demonstrations	Area	Average Yield (q/ha)		% Increase (Av.) over Check	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
			(ha)	Demo	Check		Demo	Check	
Groundnut									
Sunflower									
Linseed									
Mustard									
Rapeseed									
Sesamum									
Soybean	**JS 97-52**	10	2.5	**10.49**	**8.90**	**17.86%**	**14600**	**12,910**	**2.26**
Toria									
Total		10	2.5	**10.49**	**8.90**	**17.86%**	**14600**	**12,910**	**2.26**

6. Frontline Demonstration on Pulse Crops

Crop	Variety	No. of Farmers/ Demons	Area	Average Yield (q/ha)		% Increase	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
			(ha)	Demo	Check	(Av.)	Demo	Check	
Arhar									
Black gram									
Cowpea									
Field Pea	**Aman (IPF 5-19)**	20	2.5	**16.12**	**14.80**	**8.92**	**19500**	**13,450**	**3.30**
	VL Matar-47	20	2	**17.25**	**14.80**	**16.55**	-	-	**3.53**
French Beans									
Green gram									
Peas									
Rajmah									
Rice bean									
Lentil									
Any other (Pl. specify)									
Total		**40**	**4.5**	**33.37**	**29.6**	**25.47**	**19500**	**13450**	**6.83**

7. Frontline Demonstration on Other Crops

Crop	Variety	No. of Farmers/ Demos	Area	Average Yield (q/ha)		% Increase	Av. Cost of cultivation (Rs./ha)		Av. B:C Ratio
			(ha)	Demo	Check		Demo	Check	
A. Cereals									
Paddy									
Wheat									
Maize (Kharif, Rabi, Summer)									
Cropping system (Intercropping maize+greengram)									
Total									
B. Vegetables									
Brinjal									
Bottle Gourd									
Bitter Gourd									
Pointed gourd									
French Bean	Samrat	4	1.5	47.5	38	18.95	30000	23000	Demo-1.9 Check-1.54
Pumpkin									
Potato									
Sweet Potato									
Tapioca									
Cabbage									
Cauliflower									
Carrot	Pusa Rudhira	10	1	115	100	13.04	60,000	50,000	1:9
Tomato									
Broccoli									
Capsicum									
Cucumber									
Lettuce									
Other Leafy Vegetables									
Any other - Broadbean									
Total		**14**	**2.5**	**162.5**	**138**	**31.99**	**90000**	**73000**	**1:9/ Demo-1.9 Check-1.54**
C. Spices									
Turmeric		03	1	198	140	29.29	195000	140000	Demo-2.6 Check-2.15
Ginger	Nadia	10/2	2 units	97.1	93.4	9	45,600	30,000	1.85
Chillies									
Coriander									
Black pepper									
Onion									

Garlic									
Any other (Pl. specify)									
Total		**03**	**1**	295.1	233.4	38.29	240600	170000	**Demo-2.6 Check-2.15**
D. Fruits									
Khasi Mandarin									
Banana									
Mango									
Pine apple									
Water melon									
Peach									
Straw berry									
Plum									
Guava									
Litchi									
Passion fruit									
Kiwi fruit									
Value addition	Fruits & Vegetables	2	2 SHGs	1150 g/kg	750g/ kg	34.78	400	400	1:6
Total		**2**				34.78	400	400	1:6
Grand Total (A+B+C+D)		**19**	**3.5**	**457.6**	**371.4**	**105.06**	**331000**	**243400**	

8. Frontline Demonstration on Livestock

Enterprise	Name of Breed/ Species	No. of farmers/ Demons	No. of animals, poultry birds etc.	Performance parameters / indicators	% change in the parameter
Dairying					
Poultry	Vanaraja	20	500	Body weight gain (g) **Demonstration** 4th week: 750g 8th week: 1300g 12th week: 2300g Mortality rate (%) :2.68 Disease incidence: nil B.C Ratio: 2.6 **Check** 4th week: 207g 8th week: 398g 12th week: 603g Mortality rate (%) :2.00 Disease incidence: nil B.C Ratio: 1.7	281.42 (body wt.gain)
Goatery					
Duckery (Feeding Management)					
Piggery	Crossbred	10	20	Body weight gain (kg) **Demonstration** 2nd month: 9.00 kg 4th month:27.24 kg 6th month:40.68 kg Disease Incidence: Nil B.C Ratio : 2.14	48.68 (body wt.gain)

				Check 2nd month: 9.25 kg 4th month:18.40 kg 6th month: 27.36 kg Disease Incidence: Nil B.C Ratio : 1.6	
Rabbitary					
Any other (Pl. specify) Fishery					
Total		**30**	**520**		**330.1**

9. Frontline Demonstration on Other enterprise

Category	**No. of Farmer/ Demo**	**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				
Participatory video making				
Fish Silage				
Extraction of fiber from Okra				
Forest Species				
Zero Energy Cool Chamber				
Bee hive Briquette Chulha				
Food Processing				
Fodder production				
Impact Assessment				
Natural Farming				
Recycling of waste				
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				

10. Frontline Demonstration on Farm machineries/ implements

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

11. Frontline Demonstration on Hybrid

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

12. Training programmes for farmers

Sl. No.	Thematic area	No. of Trainings (Courses)	No. of participants								
			Male				Female				G. Total
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	
1.	Crop production	14	106			106	162			162	267
2.	Horticulture										
	a. Vegetable crops	9 (15 courses)	70	-	-	70	144	-	-	144	214
	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	9	85	-	-	85	95	-	-	95	180
4.	Livestock Production and management										
	a. Dairy	-	-	-	-	-	-	-	-	-	-
	b. Piggery	7(16course)	36	-	-	36	181	-	-	181	217
	c. Poultry	4(6courses)	25	-	-	25	77	-	-	77	102
	d. Duckery	-	-	-	-	-	-	-	-	-	-
	e. Rabbitry	-	-	-	-	-	-	-	-	-	-
	f. IFS on livestock based	2(4course)	29	-	-	29	37	-	-	37	66
	g. Health Care	1	12	-	-	12	32	-	-	32	44
5.	Fisheries	-	-	-	-	-	-	-	-	-	-
6.	Home science/Women empowerment	-	-	-	-	-	-	-	-	-	-

7.	Agri. Engineering										
8.	IPM	1	5	-	-	5	16	-	-	16	21
9.	IDM	2	20	-	-	20	20	-	-	20	40
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.	Organic farming	-	-	-	-	-	-	-	-	-	-
18.	Value addition	3 (7 courses)	-	-	-	-	45	-	-	45	45
19.	Integrated Water management	-	-	-	-	-	-	-	-	-	-
20.	Mushroom cultivation	02	10	-	-	10	30	-	-	30	30
21.	Bee keeping	-	-	-	-	-	-	-	-	-	-
22.	Sericulture	-	-	-	-	-	-	-	-	-	-
23.	Any other (Pl. specify)Vermicomposting	02	05	-	-	05	25	-	-	25	30
	Total	**39 (48courses)**	**403**			**403**	**864**			**864**	**1256**

13. Training programmes for Rural Youth (RY)

Sl. No.	**Thematic area**	**No. of Trainings (Courses)**	**No. of participants**								
			Male				**Female**				
			SC/ST	**OBC**	**Gen**	**Total**	**SC/ST**	**OBC**	**Gen**	**Total**	**G. Total**
1.	Crop production	2	2	-	-	2	18	-	-	-	20
2.	Horticulture										
	a. Vegetable crops	-	-	-	-	-	-	-	-	-	-
	b. Fruits										
	c. Ornamental plants	1 (5 courses)	-	-	-	-	20	-	-	20	20
	d. Plantation crops	-	-	-	-	-	-	-	-	-	-
	e. Tuber crops	-	-	-	-	-	-	-	-	-	-
	f. Spices										
	g. Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
	h. Preservation	-	-	-	-	-	-	-	-	-	-

3.	Soil Health and Fertility Management/ INM	2	15	-	-	15	15	-	-	15	30
4.	Livestock Production and management										
	• Dairy	-	-	-	-	-	-	-	-	-	-
	• Piggery	-	-	-	-	-	-	-	-	-	-
	• Poultry	2(4)	12	-	-	12	18	-	-	18	30
	• Duckery	-	-	-	-	-	-	-	-	-	-
	• 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		-	-	-	-	-	-	-	-	-	-
14.	Agro forestry	-	-	-	-	-	-	-	-	-	-
15.	Post harvest Technology	-	-	-	-	-	-	-	-	-	-
16.	Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
17.	Value addition	1 (10 courses)	-	-	-	-	15	-	-	15	15
18.	Organic farming	-	-	-	-	-	-	-	-	-	-
19.	Integrated Water management	-	-	-	-	-	-	-	-	-	-
20.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
21.	Bee keeping	-	-	-	-	-	-	-	-	-	-
22.	Sericulture	-	-	-	-	-	-	-	-	-	-
23.	Any other (Pl. specify)Floriculturre	-	-	-	-	-	-	-	-	-	-
	Total	8	29			29	86			68	115

14. Vocational training programmes for Rural Youth

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	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-
b. Post harvest technology and value addition											
Value addition	1 (10 courses)	-	-	-	-	15	-	-	15	15	1 (10 courses)
Other											
Total	**1**	-	-	-	-	**15**			**15**	**15**	**1**
c. Livestock and fisheries											
1. Dairy farming	-	-	-	-	-	-	-	-	-	-	-
2. Composite fish culture	-	-	-	-	-	-	-	-	-	-	-
3. Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-	-
4. Piggery	-	-	-	-	-	-	-	-	-	-	-
5. Poultry farming	-	-	-	-	-	-	-	-	-	-	-
6. Other	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-
d. Income generation activities											
Vermicomposting											
Soil conservation	1					8	7	15	8	7	15
Production of bio-agents, bio-pesticides,	-	-	-	-	-	-	-	-	-	-	-
Bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery &implements	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-
Seed production	1		-	-	-	-	15	15	-	15	15
Sericulture	-	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-	-
Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-	-
Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-	-
Agril. Paraworkers, paravet training	-	-	-	-	-	-	-	-	-	-	-
Compost making	-	-	-	-	-	-	-	-	-	-	-
Total	**2**	-	-	-	-	**8**	**22**	**30**	**2**	**22**	**31**

e. Agricultural Extension											
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-	-
Marketing of Agri Produces	-	-	-	-	-	-	-	-	-	-	-
FPO formation	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-
Total											
Grand Total	**3**					**23**	**22**	**30**	**17**	**37**	**45**

15. Training programmes for Extension Personnel (EP)

Sl. No.	Thematic area	No. of Trainings (Courses)	No. of participants								
			Male				Female				
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	G. Total
1.	Crop production	3	16	-	-	16	18	-	-	18	34
2.	Horticulture										
	b. Vegetable crops	-	-	-	-	-	-	-	-	-	-
	b. Fruits	-	-	-	-	-	-	-	-	-	-
	c. Ornamental plants	-	-	-	-	-	-	-	-	-	-
	d. Plantation crops	2	9	-	-	9	28	-	-	28	37
	e. Tuber crops	-	-	-	-	-	-	-	-	-	-
	f. Spices										
	g. Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
	h. Preservation	-	-	-	-	-	-	-	-	-	-
3.	Soil Health and Fertility Management/ INM	-	-	-	-	-	-	-	-	-	-
4.	Livestock Production and management										
	h. Dairy										
	i. Piggery	2	10	-	-	10	26	-	-	26	36
	j. Poultry	-	-	-	-	-	-	-	-	-	-
	k. Duckery	-	-	-	-	-	-	-	-	-	-
	l. 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	1	05			05	05			05	10
19.	Integrated Water management	-	-	-	-	-	-	-	-	-	-
20.	Mushroom cultivation	1	05			05	15			15	20
21.	Bee keeping	-	-	-	-	-	-	-	-	-	-
22.	Sericulture	-	-	-	-	-	-	-	-	-	-
23.	Any other (Pl. specify)	-	-	-	-	-	-	-	-	-	-
	Total	**9**	**45**	**-**	**-**	**45**	**92**	**-**	**-**	**92**	**137**

16. Sponsored training programmes conducted by KVK

Thematic area	**No. Of course**	**No. of participants**								
		Male				**Female**				
		SC/ST	**OBC**	**Gen**	**Total**	**SC/ST**	**OBC**	**Gen**	**Total**	**G. 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	-	-	-	-	-	-	-	-	-	-
Methods of protective cultivation	-	-	-	-	-	-	-	-	-	-
Other-Microbial inoculants in vegetable crops	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
b. Post harvest technology and value addition										
Processing and value addition	1 (10 courses)	-	-	-	-	15	-	-	15	15
Other	-	-	-	-	-	-	-	-	-	-
Total										
c. Farm machinery										
Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-

Total	-	-	-	-	-	-	-	-	-	-
d. Livestock and fisheries										
Livestock production and management	3(6courses)	14	-	-	14	106	-	-	106	120
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	1(2 courses)	5	-	-	5	40	-	-	40	45
IFS on livestock based	1(2 courses)	27	-	-	27	22	-	-	22	49
Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
Fisheries Management	-	-	-	-	-	-	-	-	-	-
Other RPL /DDUGKY	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
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	**6**	46	-	-	46	183	-	-	183	229
Grant Total	**6**	**46**	-	-	**46**	**183**	-	-	**183**	**229**

17. Summary of Extension Activities organized by KVK

Sl. No.	Extension Activity	No. Of programme	No. of participants								
			Male				Female				
			SC/ST	OBC	Gen	Total	SC/ST	OBC	Gen	Total	G. Total
A.	**Extension Activities**										
1	Diagnostic visits	6	10	-	-	10	15	-	-	15	25
2	Advisory Services	94	143	-	-	143	243	-	-	243	404
3	Animal Health Camp	2	10	-	-	10	15	-	-	15	25
4	Plant health camp										
5	Training/ practical manual										
6	Celebration of important days	20	325	-	-	345	395	-	-	395	720
7	Exhibition										
8	Exposure visits	1	1	-	-	1	15	-	-	15	16
9	Farm Science Club Conveners meet										
10	Farmers Seminar/ workshop	1	98	-	-	98	30	-	-	30	128
11	Farmers Visit to KVK	19	181	-	-	181	194	-	-	194	541
12	Field Day	2	15	-	-	15	15	-	-	15	30

13	Group meetings/ Discussion	14	56	-	-	56	145	-	-	145	201
14.	Awareness Camp	4	41	-	-	41	129	-	-	129	170
15.	Kisan Gosthi										
16.	Kisan Mela	1	-	-	-	1	-	-	-	-	1
17.	Mahila Mandal Conveners' meetings										
18.	Method Demonstrations	20	86	-	-	86	213	-	-	113	299
19.	Scientists visit to farmers field	48	1	-	-	102	90	-	-	91	192
20	Self Help Group Conveners meetings										
21.	Soil health/ testing Campaigns										
22.	Film show	8	82	-	-	82	154	-	-	154	236
23.	Any other (Pl. Specify) i.) Scientist farmers interaction	9	167	-	-	167	160	-	-	160	327
	ii)Technology showcasing										
	Total	**143**	**1208**		**-**	**1330**	**1782**	**-**	**-**	**1683**	**3276**
B.	**Other Extension Activities**										
1.	News paper coverage	13	-	-	-	-	-	-	-	-	-
2.	News letter										
3.	Research papers	3									
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	7	150	-	-	150	98	-	-	98	248
12	Mobile app introduced										
13	Whatsapp Group for Farmers/Entrepreneurs formed										
12.	Leaflets/folders	7	19	-	-	19	51	-	-	51	70
13.	Any other (Pl. Specify)										
	Total	**30**	**169**	**-**	**-**	**169**	**149**	**-**	**-**	**149**	**31**
	Grand Total (A+B)	**173**	**1377**	**-**	**-**	**1499**	**1931**	**-**	**-**	**1832**	**3307**

18. Production of seeds, planting materials and bio-products

Sl. No.	Major group/ Class	Quantity (q)
A.	**Seeds (qt)**	
1	Cereals	0.27
2	Oilseeds	8.67
3	Pulses	4
4	Vegetables	
5	Spice	
6	Any Other (Pl. specify)	
	i. Potato	250
	Total (in Qt)	**262.94**

B.	**Planting materials (in Nos.)**	
1	Fruits	1250
2	Plantation crops	1800
3	Vegetables	8700
4.	Flowers/ cuttings	
5	Any Other (Pl. specify)	
	i.	
	ii.	
	Total	**11750**
C.	**Bio-products**	
1	Bio-fertilizers (qt)	
2	Bio-agents (qt)	
3	Bio-pesticides (ltr)	
	Total (excluding bio-pesticides)	
D.	**Livestock**	
1.	Livestock strains (Nos. in lakh)	0.0065
2.	Fingerlings (Nos. in lakh)	0.05
	Total (Nos. in lakh)	**0.0565**

19. Production and Revenue generation by KVK from different sources

a. Seed production

Sl. No.	Crop	Production and revenue generation	
		Production (q)	**Revenue (lakh)**
A.	**Cereal**		
	1. Rice	24.6	123000
	2. Wheat		
	3. Maize	6.47	33780
	4. Others (Pl. Specify)	-	-
B.	**Oilseeds**		
	1. Mustard	-	-
	2. Toria	-	-
	3. Linseed	-	-
	4. Soyabean	8.67	104040
	5. Sesame (Til)		
	6. Ground nut		
	7. Others (Pl. Specify)		
C.	**Pulses**	-	-
	1. Greengram	-	-
	2. Redgram	-	-
	3. Blackgram	-	-
	4. Chickpea		
	5. Pea	4	48000
	6. Lentil	-	-
	7. Cowpea	-	-
	8. Others (Pl. Specify)	-	-
D.	**Vegetables**		
	1. Cabbage	-	-
	2. Cauliflower	-	-
	3. Brinjal	-	-
	4. Potato	250	500000
	5. Others		
E.	**Spices/ Condiments**		
	1. Turmeric	-	-
	2. Ginger	-	-
	3. Chilli	-	-
	4. Black pepper	-	-
	5. Cardamon	-	-
	6. Any other Tree beans)	-	-
F.	Mushroom (oyster)	-	-
	Total	**293.74**	**808820**

b. Planting Materials/ Seedlings produced

Sl. No.	Planting materials	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	**Vegetables**		
	1.King Chilli	5000	100000
	2.Broccoli	2500	37500
	3.Tree bean	1200	24000
B.	**Fruits**		
	1.Litchi	500	125000
	2.Mango	250	62500
	3.Banana	250	50000
	4.Papaya	250	37500
C.	**Ornamental plants/ trees**		
	1.	-	-
	2.	-	-
D.	**Tree species**		
	1. Neem	600	30000
	2.	-	-
E.	**Flowers**	-	-
	1. Gerbera	200	56000
	2.		
F.	**Others (Pl. Specify)**		
	1.	-	-
	2.	-	-
	Total	**10750**	**522500**

c. Livestock strains/ Fingerlings produced

Sl. No.	Planting materials	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	**Livestock strains (nos. in lakh)**		
	1.	-	-
	2.	-	-
	3.	-	-
B.	**Poultry**		
	1. Vanaraja	500	0.345
C.	**Duckery**		
	1.White pekin duck	150	0.195
	2		
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.	-	-
	Total	**650**	**0.54**

20. Scientific Advisory Committee (SAC) of KVK

Sl. No.	KVK	SAC conducted (Yes/ No)	Date (if yes)	If no, why?
1	Kohima	Yes	20.01.2023	

21. Status of Revolving Fund (RF) of KVK (in lakh)

Sl. No.	Activities under RF	Opening balance as on 1st April, 2022	Income during the year	Expenditure during the year	Income to be generated	Net balance in KVK as on 31st March, 2023
1	Fruits, vegetables, Value addition, etc.	121357.5	137562	0.00	-	258919.5
	Total	**121357.5**	**137562**	**0.00**	**-**	**258919.5**

22. Details of Cultivable land, land not in use and revenue generation by KVK

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	25.85	7.5	18.35	59381	4500	**63881**
Total	**25.85**	**7.5**	**18.35**	59381	4500	**63881**

23. Achievement of Rain Water Harvesting Structure

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

24. Achievement of Portable Carp Hatchery in KVKs

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

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

Sl. No.	Samples tested/ Analysed	Nos.	Farmer beneficiaries	Village covered	Amount realised (Rs.)	SHCs issued to farmers (Nos.)
1.	Soil sample	50	430	7	85000	**405**
2.	Water sample					
3.	Plant sample					
	Total	**50**	**430**	**7**	**85000**	**405**

26. Soil testing

Sl. No.	Soil sample (No.)	Soil testing through			
		Mridaparikshak	Soil testing Kit	From KVK lab/ any other lab (pl. specify the name)	Total
1	50 composite samples	30 No's	-	20 No's (Soil & Water Conservation Dept.,Nagaland	50

27. Mobile Advisory Services rendered by KVK

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	15	40	36	900	19	195	4	10	30	175	-	-	104	1320
Voice only	15	50	-	-	10	16	4	10	25	50	-	-	54	126
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**30**	**90**	**36**	**900**	**29**	**211**	**8**	**20**	**55**	**225**			**158**	**1446**

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

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

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	Swachhta Campaign	Awareness cum training on swachtta orientation on sanitation & cleanliness to school children, solid waste management , crop residue management,etc	2nd – 31st Oct '22	275	-	-	-
2	Swachh Bharat Abhiyan	Awareness training, Cleaning of office premises, drainage, quarters, compound, public places, composting of waste, etc	April,20232-March,2023	228	-	-	-
3	STRY	STRY programme on Soil Conservation	20th -27th March,23	15	-	SAMETI, Medziphema & MANAGE HYDERABAD	42,000/-

4	Celebration on Poshan Abhiyan and Tree plantation day	-	17thSep,2022	240	-	-	-
5	Celebration on National Campaign on international Yoga Day	-	21st June 2022		-	-	-
6	Webcasting of PM-KisanSammanSammelan	-	17thOct,2022		-	-	-

29. Cluster FLD (CFLD) on Oilseeds under MNOOP

Crop	Variety	No. of Farmers/ Demonstrations	Area	Average Yield (q/ha)		% Increase (Av.)	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
			(ha)	Demo	Check		Demo	Check	
Groundnut	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-
Sesamum	-	-	-	-	-	-	-	-	-
Soybean	JS95-52	50	20	10.25	6.1	48.75	32500	25100	2.12
Toria	-	-	-	-	-	-	-	-	-
Total	**JS95-52**	**50**	**20**	**10.25**	**6.1**	**48.75**	**32500**	**25100**	**2.12**

30. Cluster FLD (CFLD) on Pulses under NFSM

Crop	Variety	No. of Farmers/ Demons	Area	Average Yield (q/ha)		% Increase	Average Cost of cultivation (Rs./ha)		Av. B:C Ratio
			(ha)	Demo	Check	(Av.)	Demo	Check	
Arhar									
Black gram	-	-	-	-	-	-	-	-	-
Cowpea	-	-	-	-	-	-	-	-	-
Field Pea	-	-	-	-	-	-	-	-	-
French Beans	-	-	-	-	-	-	-	-	-
Green gram	-	-	-	-	-	-	-	-	-
Peas	Aman	50	20	14.2	9.76	45.49	22500	20000	2.76
Rajmah	-	-	-	-	-	-	-	-	-
Rice bean	-	-	-	-	-	-	-	-	-
Lentil	-	-	-	-	-	-	-	-	-
Any other (Pl. specify)	-	-	-	-	-	-	-	-	-
Total	**Aman**	**50**	**20**	**14.2**	**9.76**	**45.49**	**22500**	**20000**	**2.76**

31. Natural Farming

No. of demonstrations conducted	SC/ST			Others			No. Trainings	SC/ST			Others			No. of Awareness Programs	SC/ST			Others		
	M	F	T	M	F	T		M	F	T	M	F	T		M	F	T	M	F	T
1	5	7	12	-	-	-	2	15	20	35	-	-	-	8	43	52	97	-	-	-

32. Literature Developed/Published (with full title, author & reference)

Item	Title /and Name of Journal	Authors name	Number of copies (where applicable)
1	New Farm Laws and Its Implication in India. *Just Agriculture E- Magazines and E-Newsletter* Vol-3 Issue-2 October 2022 . e-ISSN: 582-8223	Dr. Sesenlo Kath and Dr. Ruokuovilie Mezhatsu (2022).	-
2	FSSAI Registration for Start- up Small Scale Agri Entrepreneurs. *Agriculture & Food e-Newsletter, Vol-04, Issue-10. ISSN: 2581 8317.*	Dr. Sesenlo Kath and Dr. Ruokuovilie Mezhatsu (2022).	-
3	Paradigm Shift from Production Led Extension System of Agricultural Extension in Farm Sector. *Akinik Publication, New Delhi* In: Research Trends in Agriculture Extension (Vol-10) Pp: 39-51. ISBN : 978-93-5570-400-9	Dr. Sesenlo Kath and Dr. Ruokuovilie Mezhatsu (2022).	-
4	Integrated Agricultural Resource Management Strategy for Smart and Sustainable Agriculture. *Integrated Publications, New Delhi* In: Emerging Trends in Agricultural Sciences, Vol-9 Pp: 99-109	Dr. Sesenlo Kath and Dr. Ruokuovilie Mezhatsu (2022).	-
5	Extension Personnel Behavioural Skills Development. *Integrated Publication*, New Delhi- 11005. ISBN 978-93-118-08-8	Dr. Sesenlo Kath and Dr. Ruokuovilie Mezhatsu (2022).	-
6	Allelopathic effects of some fruits plant species with weeds. *International Journal of Environment and Climate Change. Vol.12, Issue12, Page 856-859, 2022;Article No .IJECC 94837.ISSN:2581-8627.*	*M.S.Sachan, P.Michui & R.Mezhatsu*	-
7	Allelopathic effects of Schima khasiana and Michelia champaca on germination and growth of some legume and cereal crops of North Eastern Himalayan Region. *International Journal of Plant and Soil Science. Vol.34, Issue 24, Page 179-186, 2022; Article No. IJPSS. 94803 ISSN: 2320-7035*	*M.S.Sachan, D.Dey, P.Michui & S.K. Sachan*	-
8	Response of paddy straw and weed biomass mulching on growth, yield and economic performance of Ginger (*Zingiber Officinale)* Journal of Plant Development Sciences Vol.14(7):657-660.2022	Imtinuksung and Sentimenla	-
TOTAL			

33. Gender Issues for technological empowerment of farm women in agriculture during the period (Highlight brief activities undertaken towards gender empowerment by your KVK with action photographs).

34. Awards and recognitions received by your KVK

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	Best article award	Professional society	-	FSSAI Registration for Start- up Small Scale Agri Entrepreneurs

35. Awards and recognitions received by farmers of your KVK

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
	-	-	-	-

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

Success story No.1

Title: Performance of White Pekin duck under backyard system
Problem diagnosed : Non availability of meat type duck
Technology : White Pekin Duck (Vigova M. Super)

Introduction:

Duck farming may be a lucrative livestock industry within the globe due to its egg, meat and feather. Ducks is reared for eggs and meat production like chicken. Duck farming has the potential and may take the advantage to interact rural people in duck production. It is an important tool for alleviating poverty among the rural communities and has great potentials in tribal area. As compare to chicken ducks are more prolific and more adaptable to free-range system of rearing. They also grow faster than chicken however; meat type of duck is not easily available.

KVK Intervention:

Keeping in mind the potential and advantages of duck farming, KVK Kohima conducted On Farm Testing (OFT) on White Pekin Duck to assess the performance of white Pekin Duck under backyard system during the year 2022-23. The OFT programmed was carried out in three villages namely Henbenji, Phenwhenyu and Guju under Tseminyu district. Seven farmwomen were selected from the selected villages and trained on duck farming under backyard system and further motivated through a series of group meeting and discussion. Critical inputs like 150 numbers of 6 days old white pekin duckling i.e Vigova M. Super, feeds, digital weighing balance and veterinary medicine and Veterinary services were provided till the completion of the On Farm Testing.

Table1. Performance in terms of growth and mortality in farmer's field

Enterprised Poultry	4weeks (g)	8 weeks (g)	12 weeks (g)	Mortality (%)	Av.daily wt. gain (g)
White Pekin duck	815	1632	2500	Nil*	29.77
Desi/ Pati duck	267	524	787	Nil*	9.37

**during the studied period*

Table2. Technology Output

Enterprised Poultry	Production/unit (nos.)	Net return (Rs.)	B.C Ratio
White Pekin duck	20	9600.00	2.56
Desi/Pati duck	20	2407.00	1.75

Impact of the technology

The farmers sold the birds @ Rs. 400/- per kg, fetching a gross return of Rs. 15750/- with a net profit of Rs. 9600/- per farmer. The impact was assess to good nutrition, social security, self employment and continue to inspire fellow citizens of the village. The performance of White Pekin Duck was found favourable and promising in term of growth and meat quality as revealed by the farmers

Success Story No.2

Title: Popularization of Carrot variety Pusa Rudhira.
Problem diagnosed Non-use of organic sources of nutrients which decreases the marketable quality of the produce
Technology : Carrot variety Pusa Rudhira

Introduction:

Carrot is a popular vegetable cropwhich is fast-growing and high in carotene content. It is a precursor to vitamin A, and have significant amount of Thiamine and Riboflavin. The two main ingredients in carrot flavour are sugar and volatile terpenoids. The Villages in Kohima District, Nagaland has a favourable climate for growing carrots throughout the year with an elevation of above 1500 msl in most of the farming area. In some villages, the Villagers have been cultivating Carrots for the last few years, out of their own interest and due to high demand in the market during offseason but the problem faced by the farmers was poor size of the produce and low shelf life due to which the farmers could not fetch a good price in the market even in the offseason.

KVK Intervention:

KVK Kohima after considering the scope and potential of Carrot cultivation in Kohima district due to the favourable Agro-climatic condition for offseason production, conducted Frontline Demonstration (FLD) by introducing the variety Pusa Rudhira along with their existing variety Kuroda Improved to assess and popularize the improved variety in the District during the year 2022-23. The FLD programmed was carried out in two villages namely Khonoma and Kigwema villages under Kohima district. Ten farmwomen were selected (five each) from the two selected villages. Therefore, for successful production of Carrot in the district, a well-planned strategy which includes soil micro-climate, bed preparation, choice of variety, manuring, seed treatment, marketing and all related technologies were analyzed for ensuring better quality and higher returns to the farmer.

The demonstration was conducted by introduction of new Carrot variety Pusa Rudhira. Training cum Hand-on-demonstration on ploughing of soil to a depth of 30-40 cm was worked to a very fine tilt hand bed preparation by raising bed to 1m wide and 20 cm high for better rooting during sowing of seeds were conducted. The farmers were also trained on the importance of incorporation of biofertilizers, i.e., *Azospirillum* and *Phosphotika* at 25 kg each/ha at the time of land preparation along with organic matter in the soil for quality production. Application of5g/kg *Trichoderma viride* and 5g/kg *Pseudomonas fluorescens* was also done during seed treatment to control various fungal and bacterial diseases during offseason production. All the recommended cultural practices were followed along with regular monitoring and data collection at different growth stages and yield parameters were recorded till the completion of the demonstration.

FLD being carried out at Kigwema Village & Khonoma Village farmers' field **Harvesting of Carrot being carried out in the**

Result and Economic analysis:

During the demonstration period, the data recorded indicates the highest yield (13 t/ha), lowest yield (8 t/ha), and average yield (11.5 t/ha) compared to local check (10 t/ha). The percentage of increase in yield i.e., change in average yield over local was 115%. Both the varieties performed well in all the locations however the variety Pusa Rudhira performed better under Kohima district which recorded maximum values in all the yield attributing traits.

Table 1: Performance in terms ofvarious yield parameters over local check and % increase in yield ofCarrot underKohima District.

Demonstration Yield(q/Ha)			Yield of local Check(q/ha)	% increase/ change in avg. yield over local
H	L	A		
130	80	115	100	13.04

Table 2: Technology Output

Crop/Variety	Gross Cost (Rs/ha)	Gross Return(Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
Carrot Var. Pusa Rudhira	60,000	5,75,000	5,15,000	1:9

Marketing, Outcome and Impact:

The farmers sold the carrots @ Rs. 50-80/- per kg (Wholesale), fetching a gross return of Rs. 5,75,000/- with a net profit of Rs. 5,15,000/- for 1 hectare area (Approx. estimation).On an average every farm family with a minimum land holding of1 acre harvested 40 quintals in one season with better quality of the produce and yield. As organic production is one of the fastest growing food sectors globally and driven by increased consumer demand, the organically managed carrots were free of pesticide residue and assumed to have higher amount of secondary metabolites, vitamins and various mineral nutrients. With the intervention by KVK, Kohima, the eagerness to try improved technology-based cultivation has influenced many farmers to divert age old practice of farming.

Harvested carrot in the farmers' field Length of the carrot 16 cm/6.2 inch Follow up training programmes and method demonstrations

Horizontal spread within the social system: After the successful performance of the introduced carrot variety, more number of farmers were interested to take up carrot cultivation, so further dissemination through trainings and method demonstrations were carried out in different locations for horizontal spread. However, due to the limitations in the resources and higher investment for demonstrations only two villages were selected one Khonoma and the other Kigwema under Kohima District for frontline line demonstration in the current year which further enhances the income of the farmers. The extent of adaptation in the district was 40%.

Contributed by: Dr .Shisarenla Aier, Subject Matter Specialist (Horticulture), KVK Kohima, Nagaland.

37. Functional linkage of the KVK with different organizations established

Name of organization/ Agency	Activities/ programmes	Nature of linkage
1.State Agricultural Research Station (SARS)	Trainings and demonstrations	Technology Exchange
2.Directorate of Agriculture	Trainings and demonstrations	Host institute
3.Agriculture and allied departments	Trainings and demonstrations	Resource person
4.ICAR, Jharnapani	Trainings and demonstrations	Technology exchange
5.NRCM, Jharnapani	Trainings and demonstrations	Technology exchange
6. NABARD, Dimapur	Farmers club, SHGs, training etc	Financial linkage
7. ICAR, Barapani Meghalaya	Trainings and demonstrations	Technology exchange
8.Central Institute of Horticulture, Medziphema	Trainings and demonstrations	Technology Exchange
9.ATMA, Kohima	Trainings and demonstrations	Technology exchange

NB:

- The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, and participation in meeting, contribution received for infrastructural development, conducting training programme 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.

Sd/-
(**Ruokuovilie Mezhatsu**)
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