INDIAN COUNCIL OF AGRICULTURAL RESEARCH
Agricultural Technology Application Research Institute, Zone-VII
Umiam, Meghalaya
Format for Annual Action Plan Formulation of KVKs 2022-23

Name of the KVK/District : Kohima, Nagaland
Present Staff Position in KVK : 16 Nos

Sl. No.	Name	Gender (M/F)	Category (General/OBC/SC/ST)	Designation	Discipline
1.	Dr. Ruokuovilie Mezhatsu	M	ST	Senior Scientist & Head	Plant Pathology
2.	Dr. Martina Shitiri	F	ST	ACTO	Genetics & Plant breeding
3.	Dr. Paehim Michui	F	ST	ACTO	Animal Science
4	Mrs. Eliseni Tsopoe	F	ST	SMS	Plant Protection
5.	Mrs. Puchono Kweho	F	ST	SMS	Agronomy
6.	Dr. Shisarenla	F	ST	SMS	Horticulture
7.	Mr. Imtinuksung	M	ST	SMS	Soil Conservation
8.	Dr. Sesenlo Kath	M	ST	Technical Officer	Agril. xtension
9.	Mrs Keviyieno Zhasa	F	ST	Technical Officer	Home Science
10.`	Mr. Vevozo Nyekha	M	ST	Technical Officer	Computer Science
11.	Mr. Moatemsu Jamir	M	ST	Supdt. Cum Accountant	M.com
12.	Mrs. Senali Magh	F	ST	Typist cum Stenographer	BA
13.	Mr. Hankhan	M	ST	Driver cum Mechanic	C-VIII
14.	Mr. Shewnyü	M	ST	Driver cum Mechanic	-
15.	Mr. Kehoshe Mesung	M	ST	Supporting staff	C-X
16.	Mr. Medzonkhe Seb	M	ST	Supporting staff	C-VIII
Total : 16					

Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2022-'23

Discipline: Plant Breeding & Genetics
Name of the concerned Assistant Chief Technical Officer: Dr. Martina Shitiri
Mobile No: 9612607279 **E-mail address: marimozhui@gmail.com**

Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess /Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On farm testing	**Performance of Biofortified Maize**	Details of technology T1: HPQM-5 Maturity: late Avg.yield: 58q/ha Resistance to MLB & SB T2: HPQM-7 Maturity: late Avg.yield: 72q/ha Resistance to MLB T3:Local	HPQM-5: 2007, CCS HAU,Karnal HPQM-7: 2008 CCS HAU,Karnal	A	0.25/ha	5	Kandinyu, Phenwhenyu & adopted village	July-Aug	3	5	8	-	-	-	8
	Assessment of high yielding potato varieties	Details of technology : Kufri Garima Maturity: Medium Avg.yield potential: 300-350q/ha Storability: Good Resistance to blight Consumer and processing quality: easy to cook,texturemealy,	CPRI, Shimla, 2012. CPRI, Shimla, 2008	A	0.5/ha	5	Kigwema and adopted villages	Kharif '22	4	4	8	-	-	-	8

		free from discoloration after cook T2: Kufri Girdhari Maturity: Medium Avg.yield potential: 300-350q/ha Storability: Good Highly resistance to late blight Consumer and processing quality: easy to cook,texturemealy, free from discoloration after cook and long dormancy of tubers T3: Kufri Jyoti(Farmers practice)												

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Demon (No)	Area in (Ha)	Location	Period and Duration	Number of beneficiaries/demon.						Grand Total
								SC/ST			General			
								M	F	Total	M	F	Total	
Front Line Demonstration	Varietal evaluation	Popularization of high yielding soyabean varieties for adoptation. Technology details: VLS-77: Maturity: 90-95 days Yield potential:25-30 qt/ha Suitable for sole, inter-cropping for early as well as late sowing. Good germinability, drought tolerant and non-shattering. JS 97-52: Maturity: 98-102 day Yield potential:25-30 qt/ha It is a wide adaptable culture with excellent germinability, field emergence and longevity during storage. It is also tolerant to excessive moisture stress condititions.This variety has potential to provide high yield in varied ecoadaptive situation.	VLS-77: ICAR, VPKAS, Almora, 2016. JS 97-52: DSR Indore and JNKVV, Jabalpur, 2008.	3	1	Sangsangnyu, Keshai and adopted village	Nov-Jan	10	10	20				20
	Seed Production	Demonstration on high yielding Field Pea varieties Technology details: VL Matar-43: Maturity: 90-95 days. Potential yield:	IIPR, Kanpur, 2009.	3	1	Kigwema, Phesama and adopted village	Sep-Nov	10	10	20				20

		14.17q/ha. Resistance against wilt, rust and powdery mildew disease **Aman (IPF 5-19):** Duration: 130days of Lodging resistant because of presence of tendrils, resistant to powdery mildew, tolerant to rust, moderately resistant to pod borer and stem fly incidences. Potential yield: 22q/ha.												

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Grand Total	Remarks
							SC/ST			General				
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Importance of seeds & different methods for germination test (2)	1	May'22,	1	Off	10	10	20				20	Pulses growers
		Production technology of soyabean in the district (2)	1	June'22,	1	Off	10	10	20				20	
		Harvesting and storage of crops (2)	1	Oct'22,	1	Off	10	10	20				20	
		Production technology of HYV of maize (2)	1	July'21,	1	On	10	10	20				20	
		Different methods of grading and cleaning of rabi crops	1	Sept'22,	1	On	10	10	20				20	
		Importance of cereal legume Inter-cropping for increasing cropping Intensity and raising farmers' income. (2)	1	Aug'22,	1	Off	10	10	20				20	

	Rural Youth	Seed production techniques in cereals and pulses	1	Sept'22 , 2 day	1	On	15	15	30				30	
	Extension Personnel													
	Civil Society													
	NGO (including school drop outs)													
	Others													
Sponsored training programmes	Farmer and Farm women													
	Rural Youth	Seed production of Rabi crops	1	Oct'22, 3 days	1	On	10	10	20				20	
	Extension Personnel	Climate resilient agricultural practices for stress condition	1	Dec'22 , 1 day	1	on	5	5	10					
	Civil Society													
	NGO(including school drop outs)													
	Others													

Discipline: **Animal Science**

Name of the concerned Assistant Chief Technical Officer: Dr. Paihem Michui

Mobile No. 9612916894 **E-mail address:** ***paihem2012@gmail.com***

Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in Ha)	No of trial	Location	Period and Duration	Number of beneficiaries						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On farm testing	Health Care	TO1: Creep area with heat source (100watt bulb) & mineral supplementation @20gm/ day/piglet (after the piglet attain 3weeks) till weaning. TO2: Farmers practice i.e no creep area with heat source and mineral supplementation.	ICAR-NEH Region Umiam-2008	A	-	5	Phenwhenyu	Nov.2022-March, 2023 2month	-	3	3	-	-	-	3
	Breed Introduction	TO1: White Pekin duck (Vigova M.Super) 50 ducklings will be provided to each farmer and will rear under backyard system. TO2: Local duck (Check	CPDO, Hesaraghatta, Bangalore-2008	A	-	5	Henbenji	May-July,2022, 3month	-	3	3	-	-	-	3

Mandate Activities	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Demon (No.)	Area (in Ha)	Location	Period and Duration	Number of beneficiaries						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Frontline Demonstration	Health Care	Mineral (AAUVETMIN) @ 20g/pig/day X 6 mths (after weaning) & Anthelmintic i.e. Fenbendazole @ 10mg/kg bwt (after weaning) at the interval of 3mths.	C.V.Sc. Khanapara, AAU, 2015	2	-	Teichuma & Henbenji	May-Oct.2022 6month	-	10	10	-	-	-	10
	Breed Introduction	Srinidhi	ICAR-DPR,Hyderabad , 2013	2	-	Teichüma & Nsunyu	April 2022-March, 2023 12 months	-	10	10	-	-	-	10

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1. Pig production.(3) 2. Poultry production (3) 3. Disease management in livestock (2) 4.Integrated farming (4)system	6	April-Dec.2022	18	3/3	45	45	90	-	-	-	90	
	Rural Youth	1. Poultry production (1) 2.Pig production (1)	2	April-Dec.2022	6	1/1	15	15	30	-	-	-	30	
	Extension Personnel	1. Disease management in livestock in relation to public health importance(1) 2. Integrated farming system (1)	2	April-Dec.2022	2	1/1	15	15	30	-	-	-	30	
	Civil Society													
	NGO (including school drop outs)													
	Others													
Sponsored training programmes	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
	Others													

Discipline: **Plant Protection**
Name of the concerned Subject Matter Specialist: **Eliseni** Tsopoe
Mobile No: 8974755507 **E-mail address:** *kvkkohimanaga.gmail.com*

Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in ha.)	No. of trials	Location	Period and Duration	Number of beneficiaries/ trials						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On Farm Testing	**Management of late blight in Potato**	1. Treatment of seed tubers using *Trichoderma viride* @ 5g/kg seed. 2. Prophalytic spray at 45 days after sowing followed by 2 sprays at 15 days interval during the vegetative stage @ 5g/L water.	State Biological Control Laboratory, Upper Shillong 2008	A	0.5	5	Tseminyu & Botsa	February/15 days	3	3	-	-	-	6	6
	Eco-friendly management of Turcicum leaf blight of Maize	1. Seed treatment and soil application with *Trichoderma spp.* Formulations @ 2 % and 5 % respectively. 2.Foliar application of Nimbicidin @ 3%	Dept of Plant protection, College of Horticulture and Forestry, CAU, Pasighat. 2012-13	A	1	5	Zipheny u & Zisunuyu	April	0	4	4	-	-	-	4

	Biological control (Insect/pest/ weeds etc)	-	-	-	-		-	-	-	-	-	-	-	-	-
	Product evaluation (Efficacy)	-	-	-	-		-	-	-	-	-	-	-	-	-
	Beneficial insects	-	-	-	-		-	-	-	-	-	-	-	-	-
	Other beneficial organisms	-	-	-	-		-	-	-	-	-	-	-	-	-
	Store grain pest	-	-	-	-		-	-	-	-	-	-	-	-	-
	Others (Pl. specify)	-	-	-	-		-	-	-	-	-	-	-	-	-

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Crop/ Cropping system	Area (in ha.)	Demon. (No.)	Location	Period and Duration	Number of beneficiaries/ demon.						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
Front Line Demonstration	Integrated Pest Mgmt	Storage of planting materials for effective management of rhizome rot of ginger	CAU, Pasighat, 2009	Ginger	2	2	Zisunyu & Phewenyu	4 months	3	3	6	-	-	-	6
	Integrated Disease Mgmt	Indigenous Traditional Knowledge (ITK) for management of Gundhi bug in Rice	Farmers' ITK	Rice	2	4	Chiephobozou & Dzülakie	-	2	3	5	-	-	-	5
	Biological control (Insect/pest/ weeds etc)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Product evaluation (Efficacy)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beneficial insects	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other beneficial organisms	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Store grain pest	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1. Conservation & identification of beneficial natural enemies in different agro-ecosystems (2 nos.)	1	April '22	2	On	25	15	40	-	-	-	40	
		2. Acquaintance with biofertilizers & biopesticides used in organic farming (2 nos.)	1	Jul'22	1	Off	10	20	30	-	-	-	30	
		3. Important modern days plant protection equipments & their utilization (2 nos.)	1	Aug'22	2	On	15	15	30	-	-	-	30	
		4. IPM of stored pest in pulses & cereals and rodent management (2 nos.)	1	Sept'22	2	Off	15	15	30	-	-	-	30	
		5. Training on IPM & IDM in winter vegetables	1	2	2	Off	20	5	25	-	-	-	25	
		6. Importance of Bee keeping (2 nos.)	1	Oct'22										
	Rural Youth	Cultivation & nutritional benefits of Mushroom (2 nos.)	1	May'22	2	ON	10	15	25	-	-	-	25	
	Extension Personnel	Soil solarization for management of soil borne disease (2 nos.)	1	Nov'22	1	Off	15	10	25	-	-	-	25	
	Civil Society	-	-	-	-	-	-	-	-	-	-	-	-	
	NGO(including school drop outs)	-	-	-	-	-	-	-	-	-	-	-	-	

	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	
Sponsored training programmes														
	Farmer and Farm women	-	-	-	-	-	-	-	-	-	-	-	-	
	Rural Youth	-	-	-	-	-	-	-	-	-	-	-	-	
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-	
	Civil Society													
	NGO(including school drop-outs)	-	-	-	-	-	-	-	-	-	-	-	-	
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	

Discipline: **Agronomy**

Name of the concerned Subject Matter Specialist:. **SMT. PUCHONO KWEHO**

Mobile No: 7085578449 **E-mail address:** *kvkkohimanaga@gmail.com*

Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/ Refine	Area (in ha.)	No. of Trials	Location	Period and Duration	Number of beneficiaries/ trials						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On Farm Testing	Varietal evaluation	-	-	-	-		-	-	-	-	-	-	-	-	-
	Seed Production	Pea variety VL-47, VL-77 & VL-88 under Zero till production in rice fallow with Rice spacing- 20 x 20 cm and harvesting by leaving atleast 20 cm standing stubble in low land. Rhizobium seed treatment @20g/kg against the existing variety Azad as check.	ICAR, VPKAS, Almora-2011	A	0.5	5	New Tesophenyu, Botsa & Phezha	Nov.	2	3	5	-	-	-	05
	Integrated Weed Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Integrated Water Management	Modified system of rice intensification for higher productivity . Rice variety- RCM 15 , 16 & 17. And Nagaland special rice as check. (Nursery is raised using modified mat method for producing robust for producing robust healthy	ICAR - NEH Region, Umiam, Meghalaya 2010	A	0.5 ha	5	Botsa, Kigwema & Konoma	June, July	2	3	5	-	-	-	05

		seedlings). Seedling transplanted at 18-20 DAS. Spacing: 25 x 25 cm. Weed management: conno-weeder and hand weeding .													
	Tillage Management/ Farm Machinery	-	-	-	-		-	-	-	-	-	-	-	-	-
	Integrated Farming System/ Integrated Crop Management	-	-	-	-		-	-	-	-	-	-	-	-	-
	Others (Pl. specify)	-	-	-	-		-	-	-	-	-	-	-	-	-

Mandated activities	Thematic Area	Technology/Crop/Cropping system	Source and Year of release	Crop/ cropping system	Area (in ha.)	Demon (No.)	Location	Period and Duration	Number of beneficiaries/demon.						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
Front Line Demonstration	Varietal evaluation	Popularization of TS-38 in rice fallow for income generation	RARS, Shilongoni & 2011	TS-38	5ha	10	Rüsoma & KVK farm	Oct., Nov.	15	35	50	-	-	-	50
	Seed Production	Popularization of soybean (var. VL 77)	ICAR, VPKAS, Almora, 2016	Soyabean	5ha	10	Nerhema, Techüma, Tesophenyu	June, July	-	50	50	-	-	-	50
	Integrated Weed Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Integrated Nutrient	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Management														
	Integrated Water Management														
	Tillage Management/ Farm Machinery														
	Integrated Farming System/ Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1.Training on nursery management in paddy (1No)	1	April'22	1	On	10	10	20	-	-	-	20	
		2.Training on application of azolla in WTRC fields (1No)	1	May '22	1	Off	5	10	15	-	-	-	15	
		3. Training on weed management in WTRC fields (1No))	1	June '22	1	Off	5	15	20	-	-	-	20	
		4.Training on package of practices of soyabean (1No)	1	June'22	1	On	-	20	20	-	-	-	20	
		5. Training on scientific cultivation practices of maize(1No)	1	Apil '22	1	Off	-	20	20	-	-	-	20	
		6. Training on package and practices of rapeseed and mustard (1No)	1	Oct.'22	1	On	5	20	25	-	-	-	25	
		7. Training on package of practice of field pea (2No)	2	Oct.'22	2	On	25	15	40	-	-	-	40	
	Rural Youth	Training on vermin-composting 1No	1	May.'22	1	Off	-	20	20	-	-	-	20	
	Extension Personnel	Training on integrated Farming System	1	June 22	1	off	10	10	20	-	-	-	20	
	Civil Society	-	-	-	-	-	-	-	-	-	-	-	-	
	NGO (including school drop outs)	-	-	-	-	-	-	-	-	-	-	-	-	
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	

Sponsored training programmes														
	Farmer and Farm women	-	-	-	-	-	-	-	-	-	-	-	-	
	Rural Youth	-	-	-	-	-	-	-	-	-	-	-	-	
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-	
	Civil Society													
	NGO(including school drop-outs)	-	-	-	-	-	-	-	-	-	-	-	-	
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	

Discipline: **Horticulture**

Name of the concerned Subject Matter Specialist: Dr. SHISARENLAAIER **Mobile No: 7641838316/9615202114**
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Mandated activities	S. No.	Problem diagnosis (with extent/ severity of problem)	Title/ Details of Technology to be Assessed/ Refined (in Specific)	Source and Year of release	Assess/ Refine	Area (ha)/ No. of units/ No. of farmers	Period and Duration	No. of trials and name of locations	Name of parameters to be tested
On farm testing	1.	**Lack of suitable variety for the district which can ensure higher productivity**	**Assessment on performance of Okra varieties under Tuensang condition** Technology details: **TO1: Kashi Lalima** **TO2: Pusa-5** **TO3: Arka Anamika** **(Farmers Practice)** **Technology details:** **Seed treatment: Azotobacter and PSB @7.5 gm each per 100g of seeds** **Manuring:Cowdung-5t/Ha + Rock Phosphate 313 kg/Ha** **Spacing: 30 cm x 45 cm** **Av. Yield : 8 t/ha** **Production Conditions:** **Sowing time- Apr-June** **Harvesting –June-Aug** **Seed rate: 10 kg/ha**	**IIHR, 2016**	A	0.50 ha/4 farmers	Kharif Season-(Apr-June 2022)	2 Kohima & Tseminyu village	1.Yield (q/ha) 2.Net return (Rs/Ha) 3.B:C Ratio (GR/GC)

	2.	**Improper selection of varieties according to climatic conditions of the area which leads to poor yield and quality of the produce**	**Assessment of Radish varieties for better quality and yield under Tuensang District** Technology details: **TO1- Chinese Pink** **TO2-Kashi Lohit** **TO3-Japanese White(Farmers practice)** **Technology details:** **Chinese Pink: The skin is shining red, and the flash is white, crisp, solid and mild pungent. The roots are 30-40 cm long with semi-blunt end. It is a good cultivar for hills** **Av. Yield : 20 t/ha** **Kashi Lohit:** **Attractive red colour roots, suitable for salad dressing, excellent source of anti-oxidants and a higher yielder compared to white radish variety** **Av. yield: 40 t/ha** **Spacing: 10 cm x 30 cm** **Production Conditions:** **Sowing time- Mar-August** **Harvesting –May- Oct**	IIHR, 2015 & IIVR, Varanasi, 2019	A	0.50 ha/4 farmers	Summer Season-(Mar-Aug . 2022)	2 Botsa & Tesophenyu village	1.Yield (q/ha) 2.Net return (Rs/Ha) 3.B:C Ratio (GR/GC)

			Seed rate: 10 kg/ha						

Mandated activities		**Thematic Area**	**Title& Details of Technology to be demonstrated**	**Source and Year of release**	**Crop/ cropping system**	**No. of demonstrations and name of location**	**Period and Duration**	**Number of beneficiaries/demon.**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
	1.	Varietal Evaluation	Popularisation of Carrot variety Pusa Rudhira Technology details: Carrot var. Pusa Rudhira Check var. Kuroda Improved Characteristics: Long red roots with self coloured core and triangular shape Av. Yield : 13 t/ha Production Conditions: Sowing time- Aug'.Sept. 2020 Harvesting –Nov'-Dec 2020 Seed rate: 5 kg/ha Azotobacter and PSB @7.5 gm each per 100 gm seeds Enriched compost @ 5t/Ha Spacing: 25 cm x 10 cm	AAU, Jorhat, 2012 & SVRC, Delhi, 2008	A	2/ Botsa & Tesophenyu village	Rabi season Aug-Sept2022	5	5	10	-	-	-	10

		Value addition	Popularization of underutilized fruits and vegetables as value added products (Pickles) Fully mature unripe fruits and vegetables are taken, peeling and deseeding incase of fruits, cutting into pieces of require size (4 x 1.5 cm slices), deep fried and cooled. Add mustard (ground) @ 500gm, lime juice of 1litre/amchur 1kg, fenugreek, cardamom, turmeric, cumin @ 75gm each. Add mustard oil @ 2litres and Mixed them thoroughly**.** The final product is packed in high polyethene bag/glass jar.	CIH, Medziphema , 2017		2 SHGs/Tseminyu, Kohima & Nerha phezha.	Kharif		20	20				20
	2.	Any other (Pl. Specify)												

Mandated activities		**Target group**	**No. of training progs and No. of Courses in bracket**	**Title of the training Programme**	**Period & duration (in days)**	**On/Off campus**	**Number of participants**						**Grand Total**	**Remarks**
							SC/ST			**General**				
							M	**F**	**Total**	**M**	**F**	**Total**		
	1.	Farmer and Farm women	2(1)	Nutritional gardening for sustainable livelihood	April, 2 Days	On/Off	20	20	40	-	-	-	40	

On and Off campus training programmes			2(2)	Production technology of Okra &Radish	April, May, 2 days	Off	20	20	40	-	-	-	40	
			2(2)	Value addition of underutilized fruits	Aug, Sept, 2 days	On/Off	10	10	20	-	-	-	20	
			2(2)	Organic cultivation of root crops (Carrot & Radish)	July, Aug, 2 days	Off	10	10	20	-	-	-	20	
			1(2)	Scientific cultivation of Rabi crops	Sept, 2 days	Off	10	10	20	-	-	-	20	
	2.	Rural Youth	2(2)	Production technology of seasonal flowers.	Sept, October, 2 day	Off	20	20	40	-	-	-	40	
	3.	Extension Personnel	1(2)	Production technology of Summer Vegetables	May, 1 Day	Off	10	10	20	-	-	-	20	
			1(1)	Post harvest management of horticulture crops	Oct, 1 day	Off	10	10	20	-	-	-	20	
	4.	Civil Society												
	5.	NGO (including school drop outs)												
	6.	Others (Pl. specify)												

Vocational training programmes	1.	Farmer and Farm women												
	2.	Rural Youth												
	3.	Extension Personnel												
	4.	Civil Society												
	5.	NGO(including												

		school drop outs)													

Sponsored training programmes					**Sponsoring agency**										
	1.	Farmer and Farm women													
	2.	Rural Youth													
	3.	Extension Personnel													
	4.	Civil Society													
	5.	NGO(including school drop outs)													
	6.	Others (Pl. specify)													

Discipline: Soil Conservation

Name of the concerned Subject Matter Specialist: Imtinuksung

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Mandated activities	Thematic Area	Details of Technology	Source and Year of release	Assess/Refine	Area (in ha.)	No. of trials	Location	Period and Duration	Number of beneficiaries/ trials						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
On Farm Testing	Soil health														
	Soil management	TO1. Biochar technology from locally available weed biomass for acid soil management TO2. Lime application (RDF) TO3. Farmers practice	ICAR, Sikkim centre, 2016	A	0.5	5	Nsunyu, Chiechama & Khonoma	-	3	-	3	-	-	-	3
		T1-Nutrient management:FYM@10t/ha+Rhizome treatment with bio-fertilizer Azosprillium@2.5kg/ha+Rhizome treatmentwith *Trichoderma harzianum* before storage and planting. T2-Farmers practices	ICAR-RC Umiam-2018	A	0.6	5	Kigwema, Mima	May	3	-	3	-	-	-	3
	Soil testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Soil amendment (Lime/ Others)												-	-	-
	Soil biology (BGA/ Azolla)	-	-	-	-		-	-	-	-	-	-	-	-	-
	Soil microbes (beneficial)	-	-	-	-		-	-	-	-	-	-	-	-	-
	Any other (pl. specify)	-	-	-	-		-	-	-	-	-	-	-	-	-

Mandated activities	Thematic Area	Technology/Crop/ Cropping system	Source and Year of release	Crop/ Cropping system	Area (in ha.)	Demon. (no.)	Location	Period and Duration	Number of beneficiaries/ demon.						
									SC/ST			General			Grand Total
									M	F	Total	M	F	Total	
Front Line Demonstration	Soil health	Popularization of low cost vermi-composting technology	AAU, Jorhat, 2015.	-	10	10	Terogonu, Teichüma	-	5	5	]10	-	-	-	10
	Soil management	Integrated Nutrient Management in French Beans.	AAU,Jorhat,2015.	-	1.5	6	Sewanyu, Teichüma	10-30days	3	3	6	-	-	-	6
	Soil testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Soil amendment (Lime/ Others)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Soil biology (BGA/ Azolla)											-	-	-	-
	Soil microbes (beneficial)	-	-	-	-		-	-	-	-	-	-	-	-	-
	Any other (Pl. specify)	-	-	-	-		-	-	-	-	-	-	-	-	-

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1. Training on mulching & green manuring.	02	April	06	1On/1off	20	10	30	-	-		30	
		2. Soil health & its importance on jhum cultivation system	02	May	06	1on/1off	15	15	30				30	
		3. Training programme on low cost water harvesting.	02	June	06	1On/1off	15	15	30				30	
		4. Training on soil health management..	02	July	06	1On/1off	20	10	30				30	
		5. Soil & water conservation measures on terrace field.	02	August	06	1On/1off	15	15	30				30	
		6. Soil & water conservation.	01	August	01	On	10	05	15				15	
		7. Training on low cost vermi-compost.	02	Sept.	06	1On/1off	15	15	30				30	
		8. Training on soil sampling.	03	0ct/Nov/ Dec	09	1On/1off	20	10	30				30	
	Rural Youth	1. Training on vermi-compost production.	02	Oct	03	1on/1Off	15	15	30	-	-	-	30	
		2. Mushroom production.	02	Dec	01	1on/1Off	10	10	20	-	-	-	20	
	Extension Personnel	1. Training on soil sampling & analysis	02	Jan	02	10n/1off	15	15	30				30	
	Civil Society													
	NGO(including school drop outs)													
	Others (Pl. specify)													

Sponsored training programmes															**Sponsoring agency**
	Farmer and Farm women														
	Rural Youth														
	Extension Personnel														
	Civil Society														
	NGO(including school drop outs)														
	Others (Pl. specify)														

Extension Activities proposed for the year 2022-23

Specific activity	No. of activities	Period of the year	Duration (in days)	Number of beneficiaries (No.)								Grand total
				SC/ST			General			Grand Total		
				M	F	Total	M	F	Total	M	F	
Diagnostic visit	4 5 6 4 7 8 4 6 5 4 6 5	Jan'22 Feb'22 Mar'22 Apr'22 May'22 Jun'22 Jul'22 Aug'22 Sep'22 Oct'22 Nov'22 Dec'22	4 5 6 4 7 8 4 6 5 4 6 5	10 10 25 20 25 30 15 30 20 25 30 20	5 10 40 20 40 40 15 20 20 40 35 30	15 20 65 40 70 30 50 40 65 65 50	-	-	-	265	235	**500**
Advisory services/ telephone talk	5 6 8 10 12 10 10 13 10 13 15 6	Jan'22 Feb'22 Mar'22 Apr'22 May'22 Jun'22 Jul'22 Aug'22 Sep'22 Oct'22 Nov'22 Dec'22	5 6 8 10 12 10 10 13 10 13 15 6	20 20 20 30 30 30 40 35 30 40 20 20	25 25 30 30 20 20 35 25 40 60 40 20	45 45 50 60 50 50 75 60 70 100 60 40	-	-	-	335	370	**705**
Training Manual	3	Oct./Sept./May '22	3	180	150	330	-	-	-	180	150	**330**
Celebration of Important days	5	Jan'22 June '22 Aug'22 Oct '22 Dec '22	1 1 1 1 1	100	80	180	-	-	-	100	80	**180**

Exhibition	2	May/Oct ‘22	1	50/ 100	60/100	110/200	-	-	-	110	200	**310**
Exposure visit	2	Jul’22 Nov. ‘22	1 3	15 10	12 8	27 18	- -	- -	- -	25	20	**45**
Extension literature (Leaflet/ folders/ Pamphlets)	2 2 2	Apr’22 Jun’22 Sept ‘22	2 2 2	150 200 100	100 200 100	250 400 200	- - -	- - -	- - -	450	400	**850**
Extension / technical bulletin	1	Oct.’22	1	50	40	90	-	-	-	50	40	90
News letter	1	Dec’22	1	100	100	-	-	-	-	100	100	**200 copies**
News paper coverage	1 1 1 1 1 1 1 1 2 1 1 3	Jan’22 Feb’22 Mar’22 Apr’22 May’22 Jun’22 Jul’22 Aug’22 Sep’22 Oct’22 Nov’22 Dec’22	1 1 1 1 1 1 1 1 1 1 1 1	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	15 Nos. of coverage on activities.
Research publications	-	-	-	-	-	-	-	-	-	-	-	
Success stories/ Case studies	2	Aug’22/ Oct.’22	-	-	-	-	-	-	-	-	-	**2Nos.**
Farm Science Clubs’ Convenors meet	1 1 1 1 1 1 1	Mar’22 May’22 Jun’22 Aug’22 Oct’22 Nov’22 Dec’22	1 1 1 1 1 1 1	- 15 10 - 10 10 15	15 5 15 20 10 10 5	15 20 25 20 20 20 20	- - - - - - -	- - - - - - -	- - - - - - -	60	80	**140**
Farmers’ Seminar	1	Dec’22	1	45	30	75	-	-	-	45	30	**75**
Farmers’ visit to KVKs	2 3 3 4 5	May’22 Jun’22 Jul’22 Aug’22 Sep’22	3 3 3 3 3	15 15 15 20 50	15 15 15 20 30	30 30 30 40 80	- - - - -	- - - - -	- - - - -	175	125	**300**

	3 1 3	Oct'22 Nov'22 Dec'22	2 4 3	30 10 20	10 10 10	40 20 30	- - -	- - -	- - -			
Ex-trainees' meet	-	-	-	-	-	-	-	-	-	-	-	
Field day	1 1 1 1 1 1	Jun'22 Jul'22 Aug'22 Oct. '22 Nov. 22 Dec.'22	1 1 1 1 1 1	20 20 20 15 20 10	20 20 20 10 15 10	40 40 40 25 35 20	- - - -	- - - -	- - - -	105	95	**200**
Film show	1 1 2 3 3 2 2 2 2 1	Mar'22 Apr'22 May'22 Jun'22 Jul'22 Aug'22 Sep'22 Oct'22 Nov'22 Dec'22	3 3 3 3 3 2 2 2 2 1	20 20 20 45 45 45 10 20 30 15	20 20 40 45 45 45 30 20 10 5	40 40 60 90 90 90 40 40 40 20	- - - - - - - - - -	- - - - - - - - - -	- - - - - - - - - -	270	280	**510**
Radio Talk	1 1 1 1 1	Jun'22 Jul'22 Au'22 Oct.'22 Nov.'22	1 1 1 1 1	-	-	-	-	-	-	-	-	**5**
TV talk	-	-	-	-	-	-	-	-	-	-	-	-
Kishan Goshthi	-	-	-	-	-	-	-	-	-	-	-	-

Group Meeting	1 1 3 3 1 1 1 3 3 3	Feb'22 Mar'22 Apr'22 May'22 Jun'22 Jul'22 Aug'22 Sep'22 Oct'22 Nov'22	1 1 1 1 1 1 1 1 1 1	5 15 25 20 15 15 5 40 10 20	10 10 15 10 10 10 15 10 20 15	15 25 40 30 25 25 20 50 30 35	-	-	-	170	125	**295**
Kishan Mela	-	-	-	-	-	-	-	-	-	-	-	-
Soil Health Camps	1	Nov.22	-	30	15	45	-	-	-	-	-	45
Animal Health Camps	2	April.'22 Sepr.'22	-	70 30	30 80	100 110	-	-	-	100	110	220
Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries)	5 8 13 15 15 12 15 10 15 0 15	Jan'22 Feb'22 Mar'22 Apr'22 May'22 Jun'22 Jul'22 Aug'22 Sep'22 Oct'22 Nov'22 Dec'21	3 5 6 12 10 8 10 12 10 9 5 9	40 60 70 100 120 120 100 180 80 90 45 90	50 65 70 140 80 120 100 80 120 90 80 90	90 125 140 240 200 240 200 260 200 180 125 180	-	-	-	1095	1085	**2180**
Method demonstration	3 3 2 1 2 2	Apr'22 May'22 Jun'22 Aug'22 Sep'22 Oct'22	2 2 2 1 2 2	15 25 15 6 10 15	10 35 15 14 10 15	25 60 30 20 20 30	-	-	-	94	96	**190**

Scientists' visit to farmers' field	5 5 5 5 5 5 5 5 5 5 5 5	Jan'22 Feb'22 Mar'22 Apr'22 May'22 Jun'22 Jul'22 Aug'22 Sep'22 Oct'22 Nov'22 Dec'22	5 5 5 5 5 5 5 5 5 5 5 5	20 15 20 20 25 20 30 20 20 30 25 10	20 20 10 25 20 20 10 20 20 20 25 40	40 35 30 45 45 40 40 40 40 50 50 50	-	-	-	255	250	**505**
Workshop/ Seminar	1 1	July '22 Dec.'22	1 1	80 50	95 75	175 125	-	-	-	130	170	**300**
Soil Testing	10 10 10 5 5 5 5 5 5	Feb'22 Mar'22 Apr'22 May'22 Jun'22 Sep'22 Oct'22 Nov'22 Dec'22	10 10 5 5 5 5 5 5 5	50 60 65 35 40 50 20 25 20	45 30 30 35 25 20 20 15 15	95 90 95 70 65 70 40 40 35	-	-	-	365	235	**600**
Water Testing	-	-	-	-	-	-	-	-	-	-	-	-
Plant Testing	-	-	-	-	-	-	-	-	-	-	-	-
Manure Testing	-	-	-	-	-	-	-	-	-	-	-	-
Any other (Pl. Specify)	-	-	-	-	-	-	-	-	-	-	-	-

Activity Calendar of the KVK (Month-wise target to be completed) for the year 2022-'23

KVK : Kohima, Nagaland

Activity/ Month	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb	March	Total
OFT (Nos.)													
i. Number of Technologies	2	3	1	1	1	1	1	1	-	-	3	-	**14**
i. Number of Trials	6	9	3	3	5	3	3	3	-	-	9	-	**44**
ii. Area (ha)/ items (no.)	0.5	1.0/150 Nos	0.6	0.25	0.5	0.25	0.5	10Nos	-	-	2.8	-	**6.5/160Nos**
FLD (Nos)													
i. Number	4	1	1	-	2	2	1	2	1	-	1	-	**15**
ii. Area(ha)/ items (no.)	1.5/20Nos	66Nos	5.0	-	3.5	4.0	3Nos	7.5	20Nos	-	1.0	-	**22.5/109Nos**
Training programmes													
A. Farmer													
i. No. of course (nos.)	16	4	14	8	10	4	8	8	4	4	4	8	**93**
ii. No. of participants (nos.)	180	55	150	90	110	50	100	70	50	45	50	90	**1060**
B. Rural Youth													
i. No. of course	2	4	2	2	-	2	2	-	2	-	2	2	**20**
ii. No. of participants	25	75	20	30	-	20	15	-	40	-	35	20	**280**
C. Ext. Personnel													
i. No. of course	-	2	2	2	-	2	-	-	-	-	2	2	**13**
ii. No. of participants	-	25	20	22	-	25	-	-	-	-	30	35	**177**
Extension Activities/ programmes													
No. of activities	47	52	42	41	47	55	35	37	50	24	30	53	**153**
No. of beneficiaries	925	1015	710	550	910	960	640	540	935	420	460	920	**8990**
Seeds production (tonnes)	0.1	0.15	0.2	-	-	0.3	0.1	0.06	-	-	0.3	0.15	**1.36**
Planting materials (Nos. in lakh)	0.0012	0.002	-	-	0.02	-	-	0.005	-	-	-	-	**0.0462**
Livestock strains (Nos. In lakhs)	-	1000	-	100	-	1300	-	-	-	-	-	-	**2400**
Fingerlings (No. in lakh))	-	-	-	0.05	-	-	-	-	-	-	-	-	**0.05**

Bio-agents/ products (tonnes)	-	-	-	-	-	-	-	-	-	-	-	-	**-**
Bio-fertilizers/ Vermicompost etc. (in Tonnes)	-	-	-	0.023	-	-	-	-	-	-	-	-	**0.023**
***Soil , Water, Plant, Manures Testing (No. of samples to be tested)**	-	10	10	10	5	5	5	-	-	5	5	5	**60**
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	-	95	90	95	70	65	70	-	-	40	40	35	**600**
Soil , Water, Plant, Manures Testing (No. of villages covered)	-	-	-	-	-	-	-	-	-	-	-	-	**20**
Mobile Agro-Advisory (No. of Messages)	10	12	9	14	12	13	10	12	15	10	16	15	**148**
Mobile Agro-Advisory (No. of Farmers)	182	165	170	186	165	174	180	175	181	185	170	247	**2180**

Senior Scientist & Head
KVK, Kohima