

KRISHI VIGYAN KENDRA, CHAMPHAI DISTRICT

Department of Agriculture Govt. of Mizoram

(Estd: 2008)



Action Plan for 2025

On Farm Testing (Discipline–Wise Summary) for 2025

Discipline	Crop/enterprise	No. of Technology/ Social Concept/ methodology to be		No. of trials proposed	
		Assessed	Refined	Assessment	Refinement
Agronomy	Paddy	1	-	3	-
	Sunflower	1	-	3	-
Soil Science	Pineapple	1	-	3	-
	Maize+ Cowpea	1	-	3	-
Plant Protection	Paddy	1	-	3	-
	Watermelon	1	-	3	-
Total		6	-	18	-

Agronomy OFT-1: Varietal evaluation of Paddy

Variety: RCM 13

Crop / Enterprise	Problem identify	Technology/ Social Concept to be	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
		A		A	New Technology & Farmer's practice
Paddy	Lack of short duration Paddy Variety	TO 1: Introduction of Paddy Var: RCM 13 TO 2: Farmers Practice Seed Rate: 50-60 kg/ha Spacing: 20 x 10 cm NPK: 60:40:30 kg/ha 10-15t FYM/ha	ICAR, Manipur 2018	3	Technology & Farmers Practice: - Plant height (cm) - Number of leaves - Total Number of Tillers - Number of effective tillers - Length of panicle (cm) - No. of grains per panicle - Test weight (1000 seed wt in g) - Pest and disease incidence (%) - Yield (q/ha) - Economics



Agronomy OFT-2: Assessment on performance of Sunflower varieties

Crop / Enterprise	Problem identify	Technology/ Social Concept to be	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
		A		A	New Technology & Farmer's practice
Sunflower	Identification of promising Sunflower variety in the district Lack of high yielding oilseed crop in the district	TO 1: Introduction of Sunflower variety KBSH 44 TO 2: Introduction of Sunflower variety KBSH 85 TO 3: Farmers Practice TOS: June -Aug Seed Rate: 5-6 kg/ha Spacing: 60 x 30 cm NPK: 60:60:60 kg/ha Borax (2g/litre) at star bud stage	UAS, 2002 UAS, 2021	3	Technology & Farmers Practice i. Plant height (cm) ii. No of leaves iii. Weight of head iv. Weight of seeds/ head v. Diameter of head vi. Number of seeds / head vii. Oil recovery % viii. Pest and Diseases ix. Test weight (100 seed) x. Yield of seed (q/ha) xi. Economics
					



SOIL SCIENCE

OFT-1: Assessment of Integrated Nutrient Management on growth and yield of Pineapple

Crop / Enterprise	Problem identify	Technology/ Social Concept to be	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
		A		A	New Technology & Farmer's practice
Pineapple	Low yield due to improper nutrient management	RDF NPK: 320:160:320 Kg/ha TO-1 75% NPK Kg/ha+ 7.5t/ha Vermicompost + bio fertilizer (PSB & Azotobacter)	Department of Horticulture & Post Harvest Technology, Institute of Agriculture, Visva-Bharati, West Bengal, India 2018	3	1)Fruit length (cm) 2) Fruit Weight (g) 3) TSS 4) Soil fertility status (SOC, Av.N, Av.P & Av K) kg/ha 5)Yield (q/ha)
		TO-2 Farmers Practice Spacing-60 cmx 30 cmx 90 cm			Farmers Practice 1)Fruit length (cm) 2) Fruit Weight (g) 3) TSS 4) Soil fertility status (SOC, Av.N, Av.P & Av K) kg/ha 5)Yield (q/ha)



OFT- 2: Assessment of Maize-Legume Intercropping for Enhancing the Productivity and Soil Fertility for Sustainable Agriculture

Crop / Enterprise	Problem	Technology/ Social Concept to be A	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
Maize+Cowpea	Low Crop Productivity and Soil Fertility Degradation	T1-Maize + Cow Pea T2- Sole Maize (Farmers Practice) Spacing- 60 cm x 30 cm	TNAU, Coimbatore, 2017	3	New Technology
					1)Fertility status (SOC, Av.N, Av.P & Av. K) kg/ha 2)Economics 3) Cob length(cm) 4) Cob weight (g) 5) Yield (q/ha)
					Farmer's practice 1)Fertility status (SOC, Av.N, Av.P & Av. K) kg/ha 2)Economics 3) Cob length(cm) 4) Cob weight (g) 5) Yield (q/ha)



Plant Protection OFT-1: Bio-intensive Integrated Pest Management in Rice

Crop / Enterprise	Problem identify	Technology/ Social Concept to be	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
		A		A	New Technology & Farmer's practice
Rice	Low yield due to stem borer and leaf folder (60-70%)	TO-1 1. Two sprays of Azadirachtin 1500 ppm @3ml/litre at 30 and 55 DAT against foliar and sucking pests. 2. Erection of Pheromone traps @15 Nos./ha. 3. Six releases of <i>Trichogramma japonicum</i> @100000/ha at 10 days interval starting from 25 DAT against <i>Scirpophaga</i> spp. and <i>Cnaphalocrocis</i> spp. Releases should be made over the entire infested area throughout the egg laying period of the pests, which results in uniform and effective control.	AICRP on Biological Control of Crop Pests and Weeds, AAU, Jorhat. 2019-20	3	Technology 1. Pest incidence 2. Natural enemy population (Nos.) 3. Dead hearts (%) 4. Leaf damage (Nos./hill) 5. Yield (q/ha) 6. Net Return (Rs./ha) 7. B: C ratio
		TO-2 Farmers Practice			Farmers Practice 1. Pest incidence 2. Natural enemy population (Nos.) 3. Dead hearts (%) 4. Leaf damage (Nos./hill) 5. Yield (q/ha) 6. Net Return (Rs./ha) 7. B: C ratio



Plant Protection OFT– 2: Integrated Management of Melon fruit fly in cucurbitaceous vegetables

Crop / Enterprise	Problem	Technology/ Social Concept to be A	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
Watermelon	Low yield due to high incidence of Melon Fruit fly	i) Soil raking to expose fruit fly pupae to sunlight ii) Field sanitation Collection and destruction of all damaged fruits iii) Install delta & yellow sticky traps @ 25 traps/ha prior to flower initiation Iv) Spraying of repellent NSKE or neem oil @5ml per litre of water to enhance luring and trapping of bait spots	ICAR-National Research Centre for Integrated Pest management, New Delhi, 2022	3	New Technology
					1. Pest Incidence (%) 2. Fruit damage percentage (%) 3. Yield (q/ha) 4. BC Ratio
					Farmer's practice 1. Pest Incidence (%) 2. Fruit damage percentage (%) 3. Yield (q/ha) 4. BC Ratio



FLDs (Discipline–Wise Summary) for 2025

Discipline	Crop/enterprise	No. of Technology / Social Concept/ methodology	No. of demos proposed	Area (ha) to be covered/ no. of items/activity	No. of participants/farmers to be covered
Agronomy	Groundnut	1	10	5	10
	Maize	1	10	5	10
Soil Science	Ginger	1	10	5	10
	Compost	1	10	10 units	10
Plant Protection	Ginger	1	10	5	10
	Tomato	1	10	5	10
Total		6	60	25 ha 10 units	60

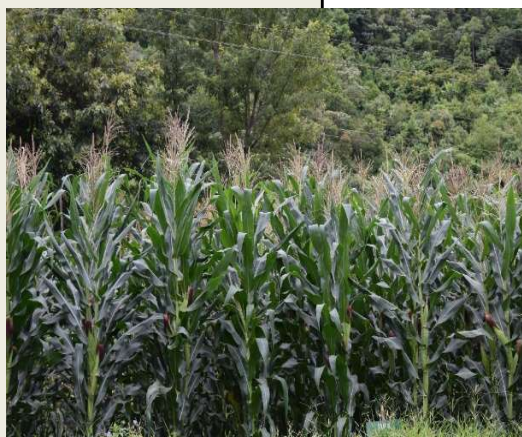
Agronomy FLD-1: Popularization of Groundnut Var: TAG 73

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration and control
Groundnut	Popularization of Groundnut Var: TAG 73 PDKV, 2020	10	5 	10	1.Plant height (cm) 2. Number of branch per plant 3. Number of pods per plant 4. Number of seeds per pod 5. Test weight 100 seed (g) 6. Pod yield (q/ha) 7. Oil recovery % 8. Pest and diseases (%) 7. Economics



Agronomy FLD-2: Popularization of Short Duration Maize Variety : Pusa Vivek QPM 9

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Maize	FLD 2: Popularization of Short Duration Maize Variety : Pusa Vivek QPM 9 ICAR, IARI, 2017	10	5	10	1. Plant height (cm) 2. Number of Cob per plant 3. Cob weight (g) 4. Number of grains per cob 5. Test weight (g) 6. Grain yield (q/ha) 7. Pest and disease (%) 8. Economics



FLD-1: Sustainable Ginger Production through Integrated Nutrient Management

Crop / Enterprise	Technology/ Social Concept to be Demonstrated	Source of technology and year of release	No. of demonstrations	Area (ha)/ activity to be covered	No. of farmers to be covered	Parameters of demonstration
Ginger	RDF NPK: 80:50:60 Kg/ha TO-1 75% NPK Kg/ha+ Vermicompost- 2 tonnes/ha +PSB @ 10 kg/ha +<i>Azospirillum</i> @ 10 kg/ha TO-2 50 % NPK Kg/ha+ Vermicompost- 2 tonnes/ha +PSB @ 10 kg/ha +<i>Azospirillum</i> @ 10 kg/ha TO-3 Farmers Practice	Department of Spices and Plantation Crops, BCKV, West Bengal 2018	10	5	10	1) Plant height (cm) 2) Weight of rhizomes/clump 3) Fresh rhizome yield (q/ha) 4) Soil fertility status (SOC, Av.N, Av.P & Av K) kg/ha 5) Economics



FLD-2 : Assessment of bio-decomposer for paddy straw left in the field

Crop / Enterprise	Technology/ Social Concept to be Demonstrated	Source of technology and year of release	No. of demonstrations	Area (ha)/ activity to be covered	No. of farmers to be covered	Parameters of demonstration
Compost	TO-1: Urea (5 kg in 100 L water)+Cow dung slurry (10 kg in 100 L water)+Tech NRRI decomposer :Culture suspension (1 kg in 100 L water) TO-2: Farmers practice Spread first layer of paddy straw up to 15-20 cm height (7 m X 1.5mX 1m) on the surface soil Apply 20 L each of cow dung slurry, Urea solution & Culture suspension. Prepare up to five layers wet the pile with sufficient water, plaster the pile with a layer of cow dung slurry along with field soil. ➤ NRRI decomposer: Carrier based microbial consortium containing 2 efficient cellulolytic fungi and one actinobacteria	ICAR-NRRI, 2021	10	0.4	10	1)Period of decomposition 2)Fertility status (SOC, Av.N, Av.P & Av. K) kg/ha 3)Economics



Plant Protection FLD-1: Performance of bio agents for reducing the incidence of Soft rot/ Rhizome rot of Ginger

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Ginger	Rhizomes treatment of <i>Trichoderma harzianum</i> @5g/kg of rhizomes + soil application of 2.5 kg of <i>Trichoderma harzianum</i> mixed with 50 kg FYM 10-15 days before sowing + foliar application of <i>Pseudomonas fluorescence</i> @ 5g/l of water for every 15 days interval	10	5	10	1. Percent incidence 2. Yield (q/ha) 3. BC ratio



SOT: College of Horticulture and Forestry,
CAU Pasighat, Arunachal Pradesh, 2012

Plant Protection FLD-2: Integrated Pest Management in Tomato

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Tomato	1. Release of <i>Trichogramma chilonis</i> 1,00,000/ ha (6 times at weekly intervals) 2. Collection and destruction of damaged fruits 3. Yellow Sticky Trap 4. Need based insecticide treatments	10	5	10	1. Pest incidence 2. Average plant height (cm), 3. No. of branches, 4. Days to 50% flowering, 5. Yield (q/ha) 6. BC Ratio

SOT: Sarat Chandra Singha College of Agriculture, Assam Agricultural University
Rangamati, Dhubri, 2020



Training Programmes (Discipline-wise Summary for Farmers) for 2025

Discipline		Farmer Beneficiaries (Nos.)				
		On	Off	Spon.	Vocation al	Total
Agronomy	9	60	200	15	-	275
Plant Protection	8	80	150	30	-	260
Soil Science	11	80	120	30	-	230
Total	28	200	470	75	-	765

Training Programmes (Discipline-wise Summary for Rural Youth) for 2025

Discipline	Course (No.)	Rural Youth Beneficiaries (Nos.)				
		On	Off	Spon.	Voc.	Total
Agronomy	2	-	40	-	-	40
Plant Protection	4	20	50	15	-	85
Soil Science	3	-	35	20	35	90
Total	9	20	125	35	35	215

Training Programmes (Discipline-wise Summary for Extension Personnel) for 2025

Discipline	Course (No.)	Extension Personnel (Nos.)			
		On	Off	Spon.	Total
Agronomy	1	20	-	-	20
Plant Protection	1	20	-	-	20
Soil Science	1	-	15	-	15
Total	3	40	15	-	55

Extension Programmes /Activities for 2025

Sl. No.	Extension Programme/ Activity	Nos. Proposed	Beneficiaries (No.)				Total
			Farmers	Extn. Personnel	Rural Youth	Others	
A.	Field trips and Visits						
1	Diagnostic visit	40	120	-	-	-	120
2	Exposure visit	1	8	5	15	-	28
3	Field Day	8	80	-	10	-	90
B	Group activities						
1	Farmer Seminar	1	60	5	15	-	80
2	Method demonstration	4	35	-	25	-	60
C	Mass outreach program						
1	Exhibition	1	150	20	40	-	210
2	Kisan Mela	1	90	5	120	-	215
D	Camps and Campaigns						
1	Soil Health Camps	1	15	-	35	-	50
E	Publications						
1	Research Publication	3	-	-	-	-	-
2	Leaflets& Leaf folder	15	-	-	-	-	-
3	Audio Visual and printed news	37	-	-	-	-	-
4	Popular article	6	-	-	-	-	-

Seed Materials 2025

Seed Materials	Crop	Variety	Proposed quantity (Qt) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Cereals	Maize	Mimpui ban (Local)	2	50000	40
	Rice	RCM 13	10	35000	25
Oilseeds	Groundnut	TAG 73	3	60000	30
Pulses	Soybean	Local	0.8	12000	15
Vegetables	Pigeon pea	Behliang (Local)	1	13000	10
	French Bean	Mizo bean (Local)	5	50000	100
	French Bean	Zorin	5	50000	30
	Potato	Kufri Pukhraj	10	25000	10
	Okra	Arka anamika	0.1	600	15
Total			36.9	2,95,600	275

Planting Materials 2025

Planting Materials	Crop	Variety	Proposed quantity (Nos.) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Fruits	Papaya	Red Lady	1500	7500	10
Spices	Ginger	Thinglaidum (Local)	10 (qtl)	50000	10
	Turmeric	Local	10 (qtl)	15000	10
Forest Species	Tree Bean	Local	4000	100000	80
Vegetables	Tomato	Arka Samrat	40000	60000	100
	Cabbage	Rare Ball	50000	65000	120
	Broccoli	Green Magic	10000	15000	40
Plantation Crops	Tree bean	Local	2500	62500	100
	Gooseberry	Local	2500	62500	100
Total			12400 & 20 qtl	437500	570

Bio-products for 2025

Item	Product Name	Species	Proposed quantity to be produced (both at KVK farm and farmers field)		Current Value (Rs.)	To be provided to farmers (Exp. No.)
			No.	Kg.		
Bio-fertilizers	Azolla	<i>Azolla caroliniana</i>	-	500 kg	-	50
	Vermicompost	<i>Eisenia foetida</i>	-	2000 kg	Rs 40/kg	30
Total		-	-	25000	Rs 40/kg	80

Production and Revenue to be generated by KVK from different sources during 2025

a. Seed production

Sl. No.	Crop	Production and revenue generation	
		Production (q)	Revenue (lakh)
A.	Cereal		
	1. Rice	5	1.25
	1. Wheat		
	1. Maize	1.5	0.375
	1. Others (Pl. Specify)		
B.	Oilseeds		
	1. Mustard	0.5	0.1
	1. Toria		
	1. Linseed		
	1. Soyabean	0.5	0.055
	1. Sesame (Til)	0.5	0.175
	1. Ground nut	2.5	0.5
	1. Others (Pl. Specify)		
C.	Pulses		
	1. Greengram		
	1. Redgram		
	1. Blackgram		
	1. Chickpea		
	1. Soyabean	0.8	0.12
	1. Lentil		
	1. Pigeonpea	1	0.13
	1. Others (Pl. Specify)		
D.	Vegetables		
	1. Cabbage		
	1. Cauliflower		
	1. Brinjal		
	1. Potato	10	0.3
	1. French Bean	5	0.5
E.	Spices/ Condiments		
	1. Turmeric	10	0.15
	1. Ginger	10	0.5
	1. Chilli		
	1. Black pepper		
	1. Cardamon		
	1. Any other (Pl. specify)		
F.	Mushroom	0.5	0.34
	Total	43.8	4.495

b. Planting Materials/ Seedlings to be produced during 2025

Sl. No.	Planting materials	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	Vegetables		
	Tomato	20000	0.3
	Cabbage	30000	0.39
B.	Fruits		
D.	Tree species		
	1. Tree bean	3000	0.75
	1. Gooseberry	2000	0.5
F.	Others (Pl. Specify)		
	1. Ginger	5qtl	0.25
	2. Turmeric	5 qtl	0.075
	Total	55000 & 10 qtl	2.265

c. Livestock strains/ Fingerlings to be produced during 2025

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

Status of Revolving Fund (RF) of KVK (in lakh) during 2025

Sl. No.	Activities under RF	Opening balance as on 1 st April, 2023	Income during the year	Expenditure during the year	Income to be generated	Net balance in KVK as on 31 st March, 2024
1	Returns from rent of farm equipments and Vermicompost	351258	108280	35780	Returns from rent of farm equipments and Vermicompost	423758
	Total	351258	108280	35780		423758

Soil & Water Sample Analysis / Soil Health Cards (SHCs) for 2025

Sl. No.	Samples	Nos. of samples targeted	Target of Farmer beneficiaries	Village to be covered	Amount to be realised (Rs.)	Expected SHCs to be issued to farmers (Nos.)
1.	Soil sample	150	270	5	-	270
2.	Water sample	-	-	-	-	-
3.	Plant sample	-	-	-	-	-
Total		150	270	5	-	270

Mobile Advisory for 2025

Message type sent	Crop		Livestock		Weather		Marketing		Awareness		Other Enterprise		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	90	-	-	-	330	-	10	-	-	-	-	-	490	
Total	90	-	-	-	330	-	10	-	-	-	-	-	490	

Contingency Planning for 2025

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Hailstorm Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
	Introduction of new variety or crop	4		13	13
	Introduction of Resource Conservation Technologies	2		6	6
	Distribution of seeds and planting materials	20		250	250
	Training and demonstration	17		50	50
	Total	33		319	319

Functional linkages to be established with different organizations during 2025

Sl. No.	Name of organization	Nature of linkage
1	State Department of Agriculture	Supply of subsidized inputs like chemicals, farm machinery etc
2	State Department of Horticulture	Supply of subsidized inputs like HDPE pipes, Chemicals etc
3	FOCUS	Research linkage for conducting trials
5	NABARD	Provided Fund for Self Help Group formation , Training and Project Sanctioning
6	BDO	Supply of inputs like pipes and sprayer, Resource person
7	Rural Development /MzSRLM	Resource person
8	NGOs AMFU, SHG	Technology transfer, Awareness programme, Celebration of important days
9	Department of Horticulture, Mizoram University	Training and Technology transfer, demonstration etc
10	Department of Agriculture, Khawzawl	Training and Technology transfer, demonstration etc
11	DRDO	Resource person
12	SIRD	Resource person

Natural Farming proposed during 2025

No. of demonstrations to be conducted	Participants		No. Trainings	Participants		No. of Awareness Programs	Participants	
	SC/ST	Others		SC/ST	Others		SC/ST	Others
3	10	-	3	55	-	2	65	-

MGMG of KVKs 2025

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
Neihdawn	60	-	10	45	-	8	30	-	4	120	-

Thank You