



ANNUAL ACTION PLAN 2026



**Krishi Vigyan Kendra
Champhai District, Khawzawl
Department of Agriculture & Farmers
Welfare
Government of Mizoram**



Staff Position

SL. NO.	NAME OF THE INCUMBENT	DESIGNATION
1	Dr. Malsawmkimi	Sr. Scientist & Head
2	R. Vanlalduati	Subject Matter Specialist (Soil Science)
3	Rambuatsaiha	Subject Matter Specialist (Agronomy)
4	Dr. Lalngaihawmi	Subject Matter Specialist (Plant Protection)
5	Malsawmkima Vanchhawng	Farm Manager
6	Lalhruaitluangi	PA (Home Science)
7	Samuel Lalhruaitluanga	PA (Computer/IT)
8	Maria Lalthafamkimi	Assistant
9	C.Lalramthangi	Stenographer
10	Lalnuntluanga	Driver
11	R.Dengliana	Driver
12	Vanlalvenhima	Skilled Supporting staff
13	C. Vanlalpeka	Skilled Supporting staff

ON FARM TESTING

OFTs Discipline-Wise Summary for 2026

Discipline	Crop/enterprise	No. of Technology/ Social Concept/ methodology to be		No. of trials proposed	
		Assessed	Refined	Assessment	Refinement
Agronomy	Sunflower	1	-	3	-
	Field pea	1	-	3	-
Soil Science	Toria	1	-	3	-
	Maize + French Bean	1	-	3	-
Plant Protection	Potato	1	-	3	-
	Grape	1	-	3	-
Total		6	-	18	-

AGRONOMY OFT-1

Assessment on performance of Sunflower (2nd year)

Crop / Enterprise	Problem identify	Technology/ Social Concept to be tested	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
					New Technology & Farmer's practice
Sunflower	Lack of high yielding Sunflower varieties with good oil recovery percentage in the district	TO 1: Introduction of Sunflower variety KBSH 44 TO 2: Introduction of Sunflower variety KBSH 85 TO 3: Farmers Practice Seed Rate: 5-6 kg/ha Spacing: 60 x 30 cm NPK: 35:50:35 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 (g) iv. Weight of seeds/ head (g) v. Diameter of head (cm) 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

AGRONOMY OFT-2

Assessment of Natural Farming in Pulse Crop

Crop / Enterprise	Problem identify	Technology/ Social Concept to be tested	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
					New Technology & Farmer's practice
Pulse crop (Field pea Var IPFD 18-3)	High dependency of farmers on inorganic fertilizers	TO 1: Natural Farming Ghanjeevamrit (100kg/acre + Beejamrit seed treatment + Jeevamrit (5-10%) at 15 days interval + insitu mulching TO2: Farmer's Practice	National Centre for Organic & Natural Farming, Ghaziabad, 2023	3	Technology & Farmers Practice i. Plant height (cm) ii. No of nodule/ plant iii. No. of effective nodule/ plant iv. No of pod/ plant v. Weight of pod/ plant vi. No of seeds/ pod (g) vii. Pest and Diseases viii. Test weight (100 seed) ix. Yield of seed (q/ha) x. Economics

SOIL SCIENCE OFT-1

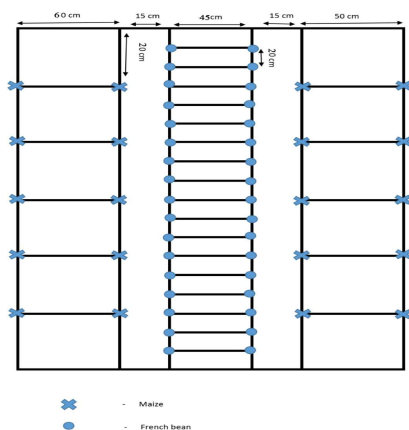
Performance of Toria using INM under late sown condition in rice fallow of Champhai District

Crop / Enterprise	Problem identify	Technology/ Social Concept to be tested	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
					New Technology & Farmer's practice
Toria	Poor nutrient management	RDF: 40:35:15 NPK kg/ha TO1: 75% RDF of N & P and 100% RD of K when seeds are inoculated with Azotobacter @ 40 g/kg seed and PSB @ 40 g/kg seed for toria. At sowing (Basal application): Apply ½ dose of N & full dose of P & K. Top dressing (25 DAS/ before sowing): Apply the remaining ½ dose of N TO2: Farmer's Practice Seed rate: 10 kg/ha Spacing: 30 cm between rows and 5-7 cm between plants Duration: 90-95 days	AAU, 2020	3	i. Date of sowing ii. Date of germination iii. Date of planting iv. Days to 50% flowering v. Plant height (cm), Siliqua/plant vi. Grain/siliqua vii. Pest infestation viii. Disease infestation ix. Grain yield (q/ha.) x. B: C ratio xi. Farmers' reaction xii. Soil status Farmer's Practice

SOIL SCIENCE OFT-2

Effect of maize+ French bean intercropping on soil health management

Crop / Enterprise	Problem identify	Technology/ Social Concept to be tested	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
					New Technology & Farmer's practice
Maize + French Bean	Low crop productivity from poor soil management practices	Technology details: TO1: Variety: Maize- RCM -76; French bean: Arka Anoop(Bush type) Spacing: Maize- 60 x 20 cm; French bean- 45x20 cm Nutrient management practices: NPK (kg/ha): Maize-80:60:40 FYM: 5 t/ha Lime: 500 kg/ha in furrow applications TO2: Farmer's Practice	Soil Science, DSRE ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103,2022	3	i. Plant height (cm) ii. Cob yield (Maize) iii. Green pod yield (French Bean) iv. B: C ratio v. Farmers' reaction vi. Soil status Farmer's Practice i. Plant height (cm) ii. Cob yield (Maize) iii. Green pod yield (French Bean) iv. B: C ratio v. Farmers' reaction vi. Soil status



Plant Protection OFT-1

Evaluation of IDM Module for the Management of Late Blight of Potato

Crop / Enterprise	Problem identify	Technology/ Social Concept to be tested	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
		IDM Module			New Technology & Farmer's practice
Potato	Severe infection by late blight (45 %) (<i>Phytophthora infestans</i>) leading to heavy yield loss	TO1: 1. Collection and destruction of infected crop debris. 2. Field sanitation, rogueing. 3. Deep summer ploughing. 4. <i>Trichoderma harzianum</i> @10 g/kg seed tuber for seed treatment and soil application@10gm/litre: 20-25 days after planting. 5. Spray Azoxystrobin 23% SC @ 200 ml in 200 l of water/acre (second spray after 15 days interval) TO2: Farmer's practice	Directorate of Plant Protection, Quarantine and Storage, Faridabad, 2020	3	Technology 1. Per cent Disease index 2. Disease severity 3. Per cent reduction over control 4. Yield (q/ha) 5. B: C ratio Farmers Practice 1. Per cent Disease index 2. Disease severity 4. Yield (q/ha) 5. B: C ratio

Plant Protection OFT-2

Evaluation of Integrated Pest Management (IPM) Practices in Grapes

Crop / Enterprise	Problem identify	Technology/ Social Concept to be tested	Source of technology and year of release	No. of trials proposed to be	Parameters of assessment/refinement
					New Technology & Farmer's practice
Grape	Non-adoption of scientific and integrated management practices	T01: - Regular inspection of vineyards at night during bud sprouting stage. - Deep ploughing in summer after April to destroy pupal stages of insects. - Spray of NSKE 5% @ 0.5 mL/L of water to manage thrips & Trunk borer population (7 days interval) - Two sprays of Emamectin benzoate 5 SG @ 0.22 g per litre water at pruning stage and 10 days after 1st spray. - Preventive application of Mancozeb 75WP@ 2g/L for controlling downy mildew T02: Farmer's Practice	Directorate of Plant Protection, Quarantine and Storage, Faridabad, 2020	3	Technology - Pest Incidence (%) - Disease Incidence (%) - Pest population (nos./Plant) - Yield (q/ha) - B : C ratio
					Farmers Practice - Pest Incidence (%) - Pest population (nos./plant) - Yield (q/ha) - B : C ratio

FRONT LINE DEMONSTRATION

FLDs Discipline-Wise Summary for 2026

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/fa mers to be covered
Agronomy	Paddy	1	10	2.5	10
	Paddy	1	10	2.5	10
Soil Science	Ginger	1	10	5	10
	Chilli	1	10	1	10
Plant Protection	Rice	1	10	3.5	10
	Watermelon	1	10	3.5	10
Total		6	60	18 ha	60

AGRONOMY FLD-1

Popularization of short duration Paddy Variety

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Paddy RCM 13	TO1: Popularization of short duration Paddy Variety RCM 13 NPK: 80:60:40 kg/ha 10-15t FYM/ha TO2: Farmers practice (Local Variety) ICAR, Manipur 2012	10	2.5	10	Technology & Farmers Practice: i. Plant height (cm) ii. Number of leaves iii. Total Number of Tillers iv. Number of effective tillers v. Length of panicle (cm) vi. No. of grains per panicle vii. Test weight (1000 seed wt in g) viii. Pest and disease incidence (%) ix. Yield (q/ha) x. Economics

AGRONOMY FLD-2

Assessment of herbicide (Triafamone 20% + Ethoxysulfuron 10% WG) in paddy

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Paddy	Assessment of herbicide (Triafamone 20% + Ethoxysulfuron 10% WG) in paddy TO1: Application of Triafamone 20% + Ethoxysulfuron 10% WG @ 90 g/ acre 15 Days after transplanting, 2-4 weed leaf stage TO2: Farmers practice (Manual weeding) COH, KAU, Thrissur, 2019	10	2.5	10	Technology & Farmers Practice: i. Weed population / 1 m quadrant. ii. Plant height (cm) iii. Number of leaves iv. Total Number of Tillers v. Length of panicle (cm) vi. No. of grains per panicle vii. Test weight (1000 seed wt in g) viii. Pest and disease incidence (%) ix. Yield (q/ha) x. Economics

SOIL SCIENCE FLD-1

Sustainable Ginger Production through Integrated Nutrient Management

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	Source of technology and year of release	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Ginger	RDF NPK: 80:50:60 Kg/ha TO-1 75% NPK Kg/ha+ Vermicompost- 2 tonnes/ha +PSB @ 10 kg/ha +Azospirillum @ 10 kg/ha TO-2 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

SOIL SCIENCE FLD-2

Assessment of AAU Bio guard (Organic growth promoter, Bio-protectant and crop immuno-booster) for yield enhancement

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	Source of technology and year of release	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Chilli	TO-1 AAU Bio guard- Seed treatment @ 10ml/L for 30 minutes + Seedling dip (1%) + Soil application @ 10ml/L at 30 DAT + Foliar spray @ 10ml/L at 30,60 and 90 TO-2 Farmers Practice-Dithane M-45 @ 2g/L	Assam Agricultural University, Jorhat, 2024	10	1	10	1) Soil fertility status (SOC, Av.N, Av.P & Av K) kg/ha 2)Yield (q/ha) 3) Disease incidence (%) 4) Economics

Plant Protection FLD-1

Bio-intensive Integrated Pest Management in rice

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Rice	1. Two sprays of Azadirachtin 1500 ppm @3ml/litre at 30 and 55 DAT. 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 spp.</i> SOT: AICRP on Biological Control of Crop Pests and Weeds, AAU, Jorhat. 2019-20	10	3.5	10	- Pest Incidence (%) - Natural enemy population (Nos.) - Dead hearts (%) - Leaf damage (Nos./hill) - Yield (q/ha) - B:C ratio

Plant Protection FLD-2

Integrated Management of Melon fruit fly in cucurbitaceous vegetables

Crop / Enterprise	Technology/ Social Concept methodology to be Demonstrated	No. of demonstration	Area (ha)	No. of farmers	Parameters selected for Demonstration
Watermelon	1. Soil raking to expose fruit fly pupae to sunlight 2. Field sanitation 3. Collection and destruction of all damaged fruits 4. Install yellow sticky traps @ 25/ha prior to flower initiation 5. Spraying of repellent neem oil @5ml per litre of water. 6. Cue lure @ 25 /ha SOT: ICAR-National Research Centre for Integrated Pest management, New Delhi, 2022	10	3.5	10	1. Pest Incidence (%) 2. Fruit damage (%) 3. Yield (q/ha) 4. B:C ratio

Training Programme (Farmers) 2026

Discipline	No of Training/ Course	Beneficiaries (Nos.)				
		On	Off	Sponsored	Vocational	Total
Soil Science	7	40	80	80	30	230
Agronomy	8	30	90	50	35	205
Plant Protection	8	80	60	70	25	235
Horticulture	7	50	70	60	30	210
TOTAL	30	200	300	260	120	880

Training Programme (Rural Youth) for 2026

Discipline	No of Training/ Course	Beneficiaries (Nos.)				
		On	Off	Sponsored	Vocational	Total
Soil Science	5	45	35	70	-	150
Agronomy	5	75	55	30	-	160
Plant Protection	5	60	50	40	-	150
Horticulture	5	50	45	50		145
TOTAL	20	230	185	190		605

Training Programme (Extension Personnel) for 2026

Discipline	No of Training/ Course	Beneficiaries (Nos.)				
		On	Off	Sponsored	Vocational	Total
Soil Science	2	10	-	15	-	25
Agronomy	2	-	15	15	-	30
Plant Protection	2	10	-	20	-	30
Horticulture	2		15	20		35
TOTAL	6	10	30	70		120

Extension Programmes /Activities for 2026

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 for 2026					
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	Paddy	Local	22	60000	7
	Maize	Local Mimban	2	45000	5
Oilseeds	Sesamum	Local Chhibung	1	28000	10
Pulses	Cow pea	Local Fur Behlawi	7	11200	15
Vegetables	Chilli	Birds Eye Chilli	0.2	12000	20
		King Chilli	0.15	9000	15
	Brinjal	Local	0.2	2700	20
	Potato	Kufri Jyoti	10	25000	50
	French Bean	Zorin Bean	2	36000	15
Total			44.55	200900	157

Planting Materials for 2026

Planting Materials	Crop	Variety	Proposed quantity (Nos.) to be produced (both at KVK farm and farmers fiel	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 2026

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	Azolla caroliniana	-	500 kg	-	50
	Vermicompost	Eisenia foetida	-	2000 kg	Rs 40/kg	30
Total		-	-	25000	Rs 40/kg	80

Production and Revenue to be generated by KVK from different sources during 2026

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 2026

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

Status of Revolving Fund (Rs.)

Sl. No.	Activities under RF	Opening balance as on 1 st April, 2025	Income during the year	Expenditure during the year	Income to be generated	Net balance in KVK as on 31 st March, 2026
1	Returns from rent of farm equipments, farm produce, home Science products	4,23,758	1,38,650	58,893	Returns from rent of farm equipments, Vermicompost & Mushroom spawn	5,03,515
	Total	4,23,758	1,38,650	58,893		5,03,515

Soil & Water Sample Analysis / Soil Health Cards (SHCs) for 2026

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	80	50	3	-	-
Total		230	320	8	-	270

Mobile Advisory for 2026

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	270	-	-	-	350	-	40	-	250	-	-	-		
Total	270	-	-	-	350	-	40	-	250	-	-	-		

Contingency Planning for 2026

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 other Departments

Name of organization	Nature of linkage
Department of Agriculture and Farmers' Welfare	Technology transfer, joint implementation, participation in meeting Laboratory equipment's, farm machinery etc
Department of Horticulture	Technology transfer, Supply of subsidized inputs like HDPE pipes, Chemicals etc
Department of AH & Vety	Technology transfer, training etc
NABARD	Provide Fund for Self Help Group formation , Training and Project Sanctioning, Resource person
BDO	Farm approach road maintenance
Rural Development /MzSRLM	Resource person
NGOs AMFU, SHG	Technology transfer, Awareness programme, Celebration of important days
Department of Horticulture, Mizoram University (MZU)	Training and Technology transfer, demonstration etc
DRDO	Resource person
SIRD	Training and demonstration
Dept of Education	Resource person
ATMA	Resource person
UD&PA	Resource person
ICDS	Resource person
Khawzawl Govt College	Resource person

Natural Farming proposed during 2026

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 2026

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