# KRISHI VIGYAN KENDRA, CHAMPHAI DISTRICT

## Department of Agriculture Govt. of Mizoram

**(Estd: 2008)**

# ANNUAL PROGRESS REPORT 2022

## (January - December)

# Present Staff Position in KVK

| Sl. No. | Name | Designation | Date of Joining | Discipline |
|---|---|---|---|---|
| 1. | Dr. Malsawmkimi | Sr. Scientist & Head | 21.10.22 | Horticulture |
| 2. | Vacant | Subject Matter Specialist | - | Agroforestry |
| 3. | Syed Khalidduddin Ahmed | Subject Matter Specialist | 26.4.08 | Animal Science (On Leave) |
| 4 | Vacant | Subject Matter Specialist | - | Horticulture |
| 5 | Vacant | Subject Matter Specialist | - | Plant Protection |
| 6 | Dr. Om Prakash | Subject Matter Specialist | 06.6.09 | Agronomy |
| 7 | R. Vanlalduati | Subject Matter Specialist | 09.02.15 | Soil Science |
| 8 | Prakash Thapa | Farm Manager | 25.4.08 | Horticulture |
| 9 | C. Ramdinsanga | Programme Assistant | 23.4.08 | Computer |
| 10 | Lalhruaitluangi | Programme Assistant | 1.7.08 | Home Science |
| 11 | Maria Lalthafamkimi | Assistant | 4.7.11 | |
| 12 | C. Lalramthangi | Stenographer Grade III | 3.10.11 | |
| 13 | Lalnuntluanga | Driver | 29.2.08 | |
| 14 | R. Dengliana | Driver | 9.2.08 | |
| 15 | Vanlalvenhima | Skilled Supporting Staff | 24.7.08 | |
| 16 | Vacant | Skilled Supporting Staff | - | |
| | Total | | | |

# Infra-structure facilities/ Vehicles

| Sl. No. | Infra-structure facility | Present Status | | | Remarks (including quantity and quality at present) |
|---|---|---|---|---|---|
| | | Existing/ Completed | On-going | New proposal | |
| 1. | Administrative building | Completed | | | One |
| 2. | Staff Quarters | Completed | | | Six |
| 3. | Farmers' hostel | Completed | | | One |
| 4. | Demonstration Units | Completed | | | Five |
| 5. | Fencing/boundary wall | Completed | | | Office complex fencing is complete and need repair<br>Out of total 3358m remaining of 2748m at farm required fencing |
| 6. | Vehicle- | Pl. tick (√) on appropriate status | | | |
| | a. Four Wheeler | Running (√) | | | Mahindra Bolero |
| | a. Tractor | Running(√) | | | Mahindra |
| | a. Power Tiller | Running(√) | | | Grieve |

# Details of Villages in the KVK District

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

# On Farm Testing (Discipline-Wise Summary)

| Discipline | Crop / Enterprise | Number of technology/ Social Concept | | No. of trials | | % of achievement |
|---|---|---|---|---|---|---|
| | | Assessed | Refined | Target | Achievement | |
| Agronomy | Maize – V. Pea | 1 | | 3 | | 100 |
| Agronomy | Sweet corn | 1 | | 3 | | 100 |
| Soil Science | Tomato | 1 | | 3 | | 100 |
| Soil Science | Enriched Compost | 1 | | 3 | | 100 |
| Total (of KVK) | | 4 | | 12 | | |

# OFT-1 : Maize-Vegetable Pea Cropping System for Rainfed Conditions under Champhai District

**Problem identified**: Lack of cropping system to accommodate more crops for better yield & income

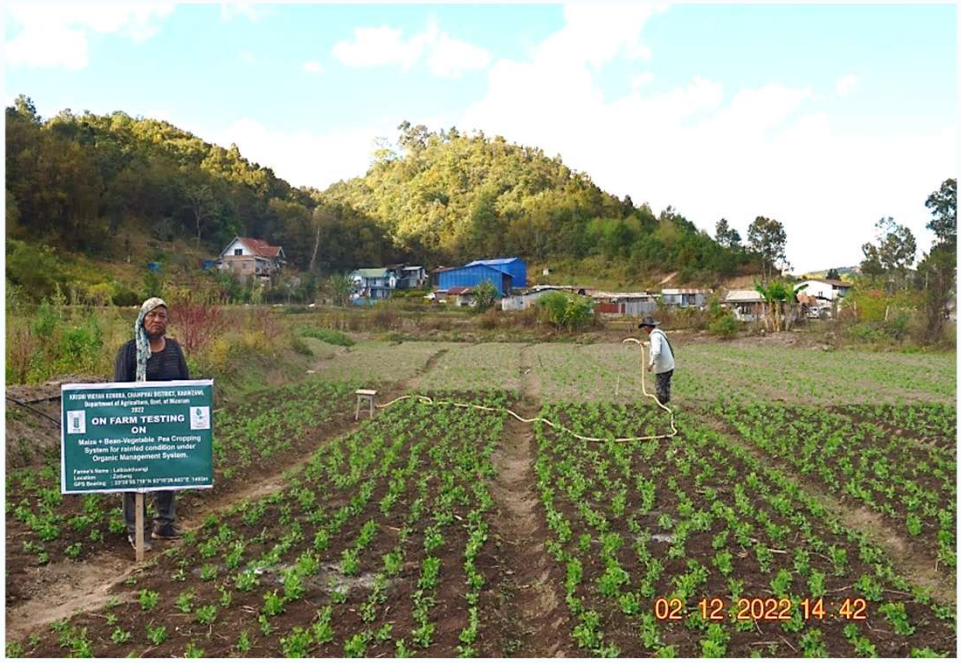
**Technology Assessed:**
Technology Option-1: Maize - V. Pea (Local Maize- Pusa Pragati)
Technology Option-2: Farmers practice (Local Maize)

**Details of Technology:**
1. Apply dolomite @2t/ha as basal 15-20 days prior to sowing
2. Basal application of mixed compost@2.5t/ha & neem cake@0.5t/ha
3. Application of vermicompost @2.5t/ha

**Source of technology and year of release:** NOFRI, Gangtok, 2015

| Details of Technology | Maize Yield (q/ha) | V. Pea Yield (q/ha) | NR (Rs/ha) | BCR |
|---|---|---|---|---|
| Technology Option-1: Maize - V. Pea | 42 | 24.5 | 86220 | 2.38 |
| Farmers Practice: Local Maize | 39.5 | 0 | 38580 | 1.98 |

Location: 3
Tuisenphai,
Phaitha
Zotlang



# OFT-2 : Varietal Evaluation of VL Sweet Corn Hybrid-2

**Problem identified**: Lack of identified varieties of Sweet corn for enhancing farmers income

**Technology Assessed:**

TO1: Introduction of VL Sweet Corn Hybrid-2 (Seed rate: 12 kg/ha, Spacing: 60x25cm, 90:60:40 Kg NPK/ha)

TO2: Farmers practice: Mimban

**Source of technology and year of release:** VPKAS Almora, 2019

**Location:**

Tualte,

Chawngtlai,

Tuipui

| Details of Technology | Plant Height (cm) | Cob length | Yield of Green cobs (qtl/ha) | Cost of cultivation | Gross Return (Rs/ha) | Economics NR (Rs/ha) | BCR |
|---|---|---|---|---|---|---|---|
| Technology Option-1: VL Sweet Corn Hybrid-2 | 187 | 15.6 cm | 102 | 83800 | 302714 | 218914 | 3.61 |
| Farmers Practice: Mimban | 170 | 13.2 cm | 87.6 | 66500 | 198000 | 131500 | 2.98 |


# OFT-1 : Soil Science: Efficacy of Foliar application of Calcium improves Yield and Quality of Tomato

**Problems identified:** High incidence of blossom end rot in tomato variety *Arka Samrat*

Land prepared for Tomato cultivation


Farmer Practice

## Details of Technology

**Source & Year-Department of Horticulture, The University of Agriculture Peshawar, 2019**

To1- 1)NPK-100:80:40 Kg/ha (Full dose of P & K were applied at the time of transplanting while N were applied in three split doses)

2) Calcium Nitrate @ 5g/L sprayed 30 & 45 DAT and at fruit set stage (2 times at 60 & 75 DAT )

TO2-Farmer Practice(No treatment)

Farmer Field Visit

| Technology | Soil Fertility Status(Kg/ha) | | | yield(q/ha) | TSS (%) | Blossom end rot fruits(%) | Net Return(Rs) | B:C |
|---|---|---|---|---|---|---|---|---|
| | Avail.N | Avail. P | Avail. K | | | | | |
| TO-1 | 273.52 | 12.71 | 178.3 | 390 | 7.2 | 5.02 | 5,85,003 | 4.0 |
| TO-2 | 259.35 | 9.63 | 163.2 | 260 | 5.7 | 18 | 3,20,800 | 3.1 |

# OFT-2 : Soil Science: Recycling of crop residue and weed biomass into enriched compost

## Details of Technology

**Source & Year – ICAR, Umiam, Meghalaya, 2016**

To1-

Raw materials-1900 kg vegetable wastes/straw,200 kg cow dung(dry weight basis), 250 kg Rock Phosphate.

Pit size--(lXbXh)-3mx3mx1m

Prepare a base of the heap out of hard, woody materials such as sticks, bamboo sticks etc

Place bio-solids over the base made above. The layer should be about 30 cm thick.

Sprinkle slurry prepared by mixing cow dung and rock phosphate over the crop residues to moisten the material.

Make another layer of crop residue and moisten it with slurry.

Continue with alternate layer of crop residue and slurry until the heap is 1.5 m high.

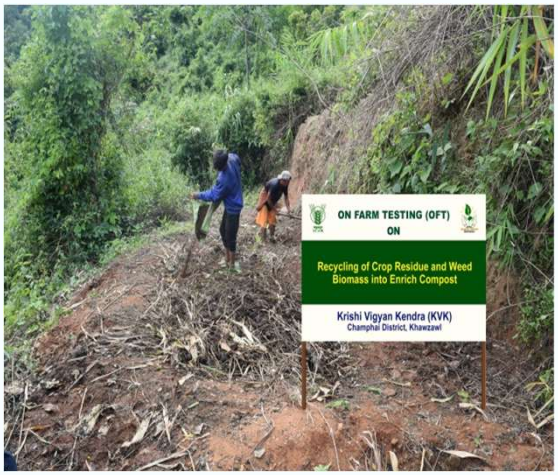
Cover the heap with soil or polythene and mix the material after 15 days. Give two turnings after 30 & 45 days.

The compost becomes ready for field application within 90-100 days period.

TO-2

Farmers Practice

## Problems identified: Shortage of organic inputs in farmers field




**Location-**

**1.Tuipui**

**2. Hmuncheng**

**3. Tualte**

| Technology | Soil fertility status | | | Yield(q/pit) | Net Return | B:C |
|---|---|---|---|---|---|---|
| | Avail. N | Avail.P | Avail.K | | | |
| TO-1 | 381.7 | 21.7 | 286.3 | 9.70 | 18,700 | 2.5 |
| TO-2 | 353.8 | 10.5 | 267.4 | 7.90 | 9,570 | 1.8 |

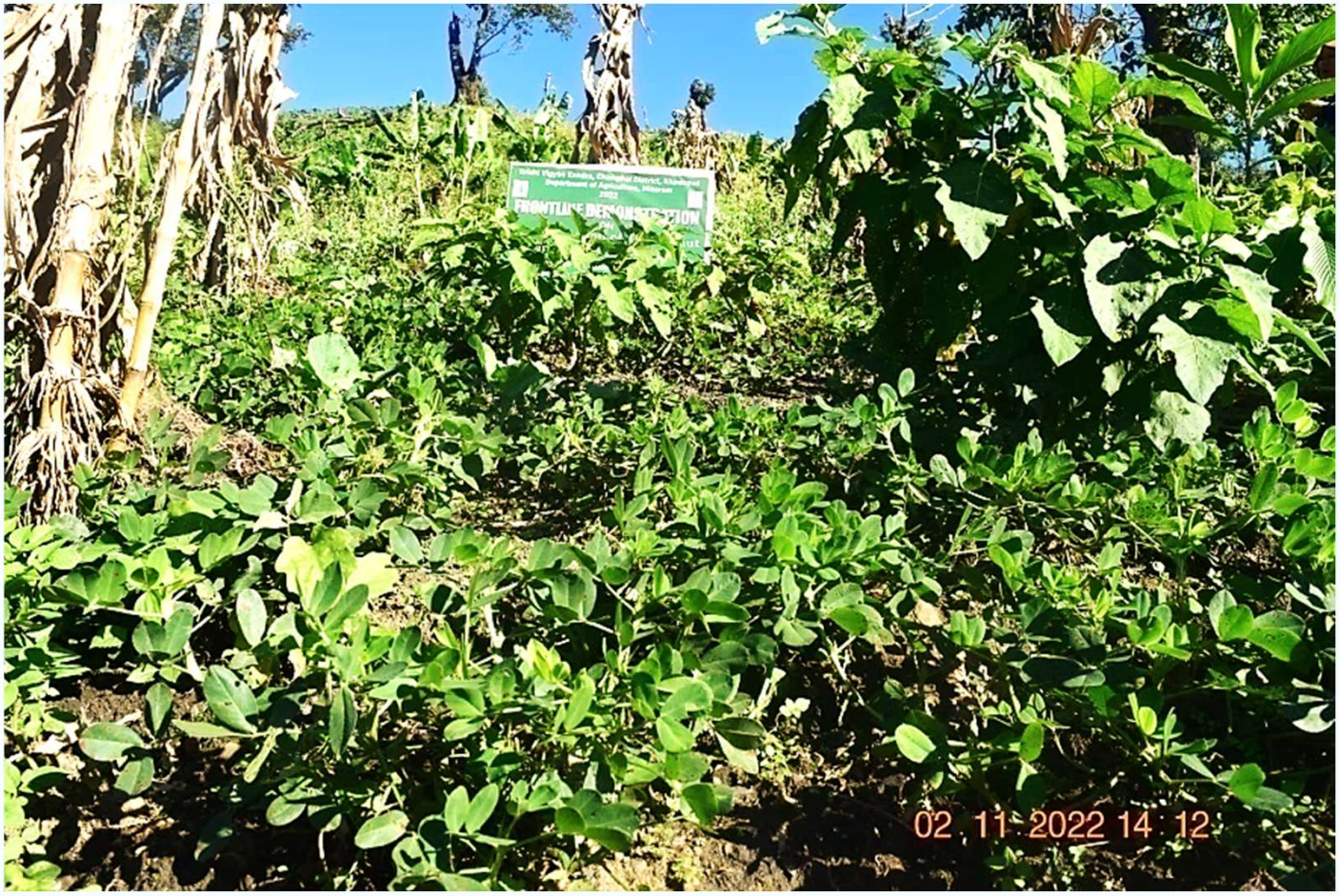
# FLDs (Discipline-Wise Summary)

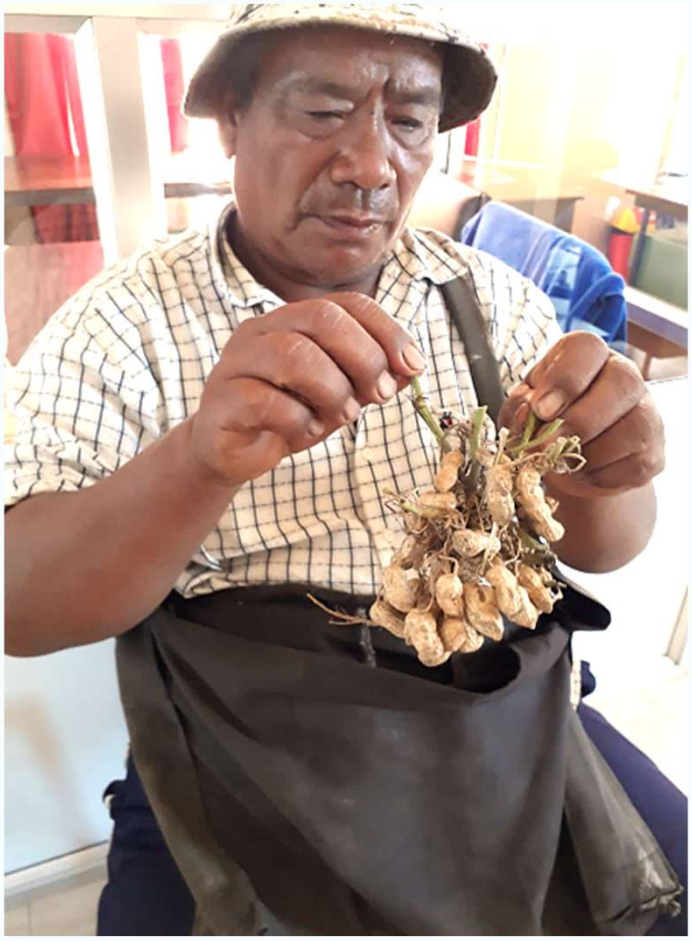
| Discipline | Crop / Enterprise | Number of technology/ Social Concept Demonstrated | No. of demonstrations | | % of achievement |
|---|---|---|---|---|---|
| | | | Target | Achievement | |
| Agronomy | Groundnut | 1 | 10 | 10 | 100 |
| Agronomy | Field Pea | 1 | 15 | 15 | 100 |
| Soil Science | Lentil | 1 | 10 | 10 | 100 |
| Soil Science | Composting | 1 | 10 | 10 | 100 |
| Total | | 4 | 45 | 45 | |

# FLD-1 : Popularization of Groundnut Variety: ICGV-91114

## Source and year of release: ICRISAT, Hyderabad, 2007

| Details of Technology | Yield (q/ha) | Gross Cost (Rs/ha) | Gross Return (Rs/ha) | Net Return (Rs/ha) | B:C Ratio | Remarks |
|---|---|---|---|---|---|---|
| Technology : Popularization of Groundnut Variety: ICGV 91114 | 8.35 | 38650 | 85860 | 47210 | 2.22 | Conducted Training, Seed distribution & demonstration in Village Zaingen Thiak,Khawzawl |



# FLD-2 : Popularization of Field Pea with Rhizobium inoculation Variety: Aman

| Details of Technology | Yield (q/ha) | Gross Cost (Rs/ha) | Gross Return (Rs/ha) | Net Return (Rs/ha) | B:C Ratio | Remarks |
|---|---|---|---|---|---|---|
| Technology : Popularization of Field Pea with Rhizobium inoculation Variety: Aman | 21.80 | 37620 | 85350 | 47730 | 2.27 | Conducted Training, Seed distribution & demonstration in Village Mualkawi, Zotlang, Vengsang, Tuipui, Zuchhip, Neihdawn, Rabung |



# Soil Science FLD-1 : Enhancing Lentil Productivity through Sustainable Nutrient Management Practices in Rice Fallow . Variety : IPL-316

| Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | % increase/ change in avg. yield over local | Gross Cost (Rs/ha)/ (Rs./ unit) | Gross Return (Rs/ha) / (Rs./ unit) | Net Return (Rs/ha) / (Rs./ Unit) | B:C Ratio (GR/GC) |
|---|---|---|---|---|---|---|---|---|---|
| | H | L | A | (Qt/ha) | % | | | | |
| **Source and Year- ICAR, NEH, Tripura, 2017**<br>NPK-20:40:20 Kg/ha+ 200 kg lime/ha+ 3 times foliar spray of 2% Urea+0.5% ZnSo4+0.2% borax (20 kg N as basal and rest 20 kg as top dressing(at flowering) other nutrients and lime were applied in furrows before sowing.<br>Spacing : 20cm X 20 cm | 10.20 | 7.51 | 8.85 | 6.90 | 28 | 25,070 | 56.467 | 31,397 | 2.2 |

| Soil Fertility Status | Avail.N | Avail.P | Avail.K |
|---|---|---|---|
| TO-1 | 351.0 | 11.71 | 282.1 |
| TO-2 | 312.3 | 7.1 | 261 |

# Soil Science FLD-2 : Rural Composting for improvement of soil health & sustainable agriculture

| Technology demonstrated | Demonstration Yield (Qt/Ha) | | | Yield of local Check | % increase/ change in avg. yield over local | Gross Cost (Rs/ha)/ (Rs./ unit) | Gross Return (Rs/ha) / (Rs./ unit) | Net Return (Rs/ha) / (Rs./ Unit) | B:C Ratio (GR/ GC) |
|---|---|---|---|---|---|---|---|---|---|
| | H | L | A | (Qt/ha) | % | | | | |
| Composting: Indore Method<br>1. 10 cm of material which is difficult to decompose, for example maize stalks. Then sprinkle with water.<br>2. 10cm of material which is easy to decompose, such as fruit and vegetable scraps.<br>3. 2cm of animal manure.<br>4. A thin layer of soil from the surface of cropped land to obtain the microorganisms needed for the composting process.<br>5. Repeat these layers until the heap reaches 1m to 1.5 m high.<br>6. Cover with grass or leaves (such as banana leaves) to prevent water loss.<br>7.LXBXH (3X1X1 M) | 8.1 | 7.0 | 7.55 | 6.5 | 16.15% | 6,280 | 15,100 | 8,820 | 2.4 |

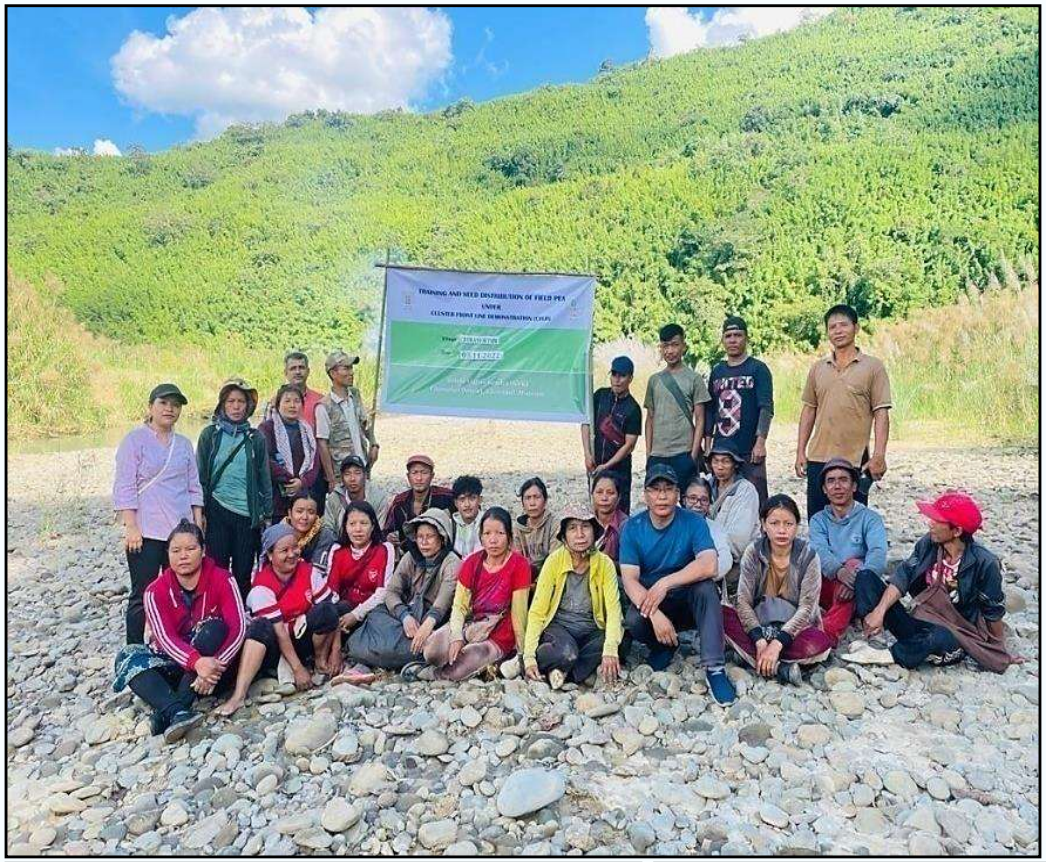
| Soil Fertility Status | | | |
|---|---|---|---|
| | Available N (kg/ha) | Available P(kg/ha) | Available K (kg/ha) |
| TO-1 | 371.2 | 12.3 | 298.4 |
| TO-2 | 345.1 | 9.8 | 262.1 |

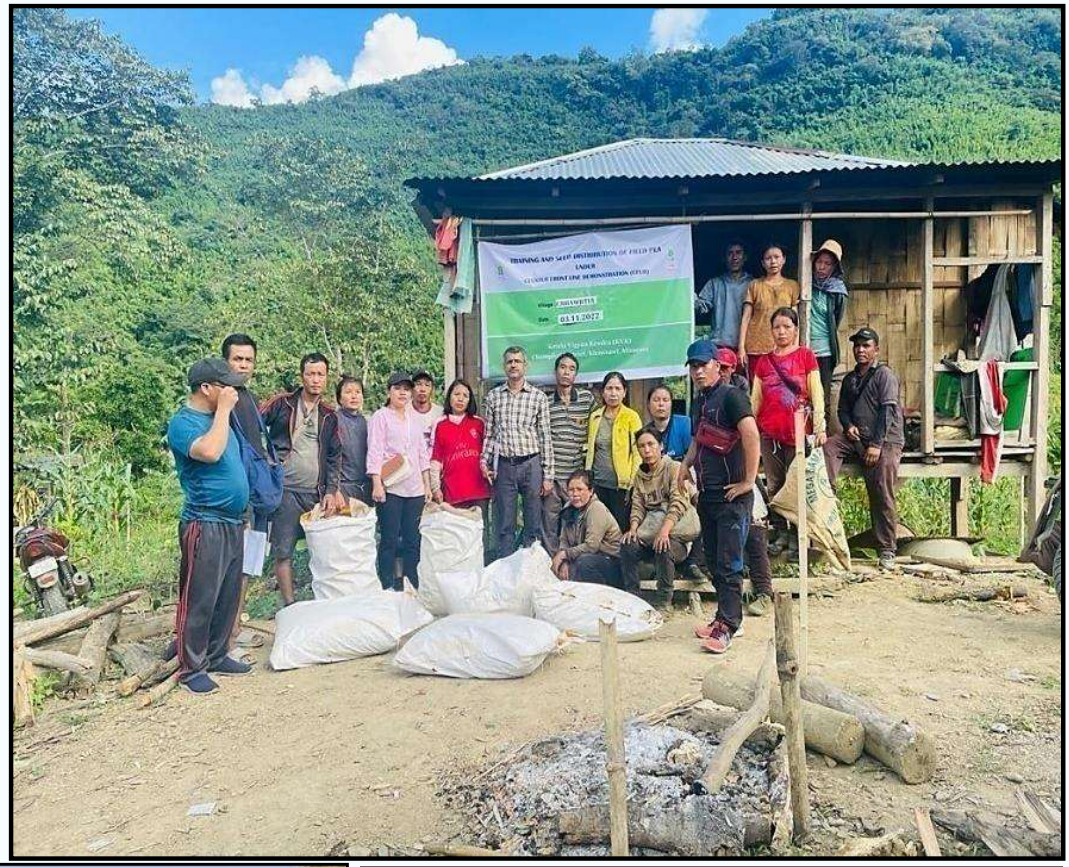

# CFLD : Pulses Popularization of Field Pea with Rhizobium inoculation

| Crop / Enterprise | Details of Technology to be Demonstrated | Source and year of release | No. of demonstrations | Area (ha) | Location | No. of farmers to be covered/ benefitted | Remarks |
|---|---|---|---|---|---|---|---|
| Field Pea | Popularization of Field Pea with Rhizobium inoculation | IIPR, Kanpur, 2017 | 15 | 2.4 | Chhawrtui | 27 | Harvested |

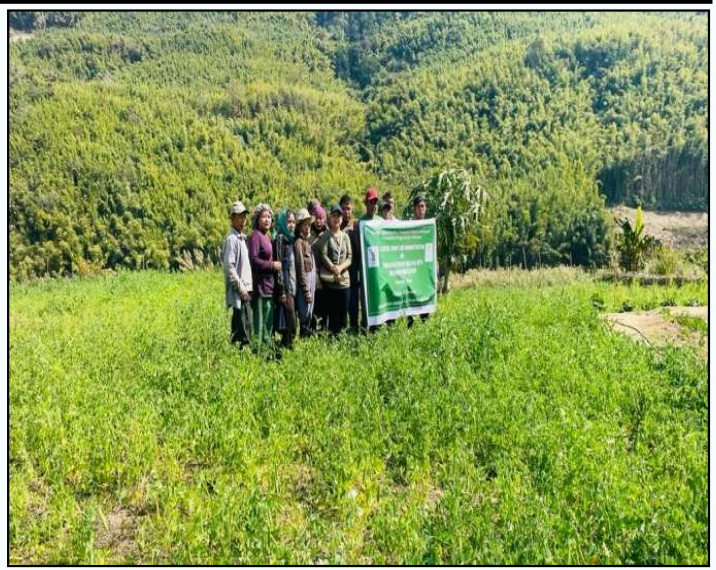
| Crop Enterprise | Variety | Demonstration Yield (Qt/Ha) | | | Yield of local Check | % increase/ change in avg. yield over local | Gross Cost (Rs/ha) | Gross Return (Rs/ha) | Net Return (Rs/ha) | B:C Ratio (GR/GC) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | H | L | A | (Qt/ha) | % | | | | |
| Field Pea | Aman | 9.25 | 8.22 | 9.15 | 6.80 | 34.50 | 38400 | 91500 | 53100 | 2.38 |
| Total | | 9.25 | 8.22 | 9.15 | 6.80 | 34.50 | 38400 | 91500 | 53100 | 2.38 |

# CFLD on Field Pea

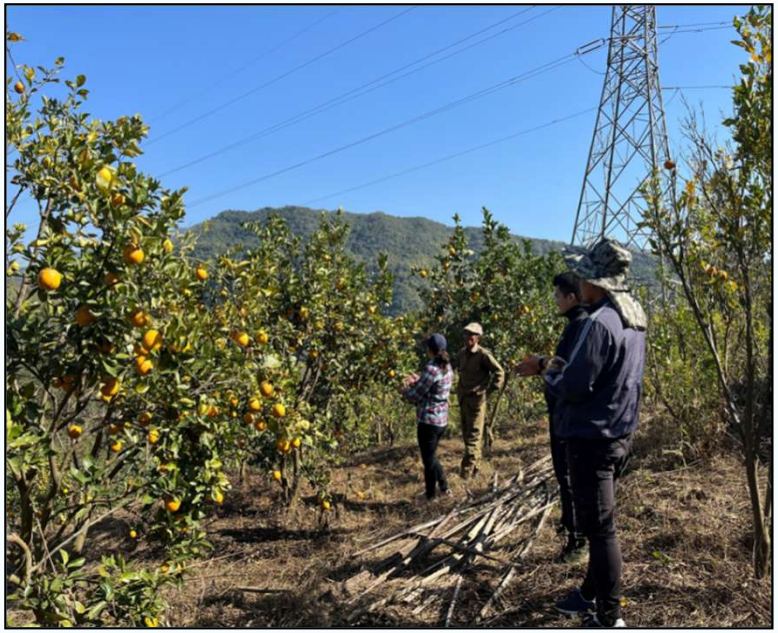


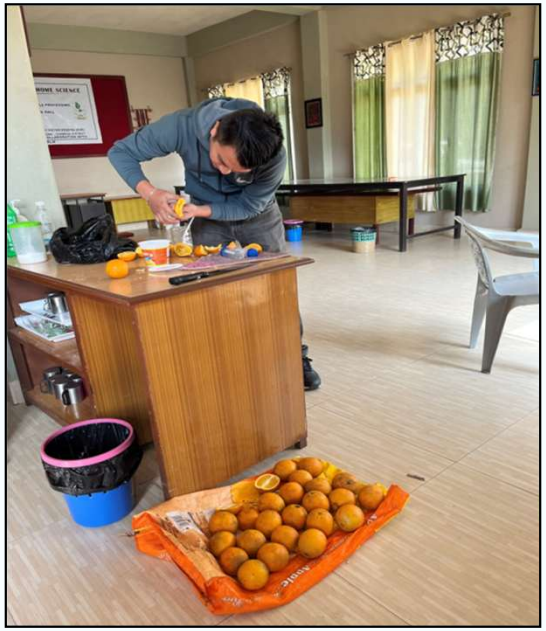







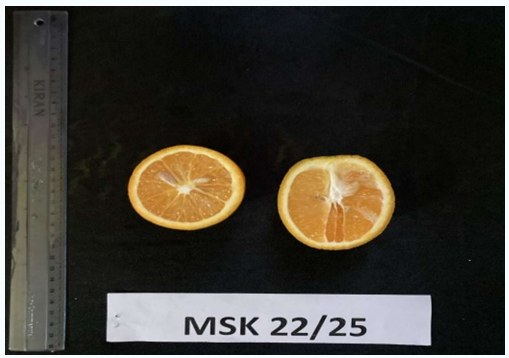
# Collection, Conservation and Morpho-Phenological Characterization of Citrus Germplasm of North East Region (Funded by DBT)

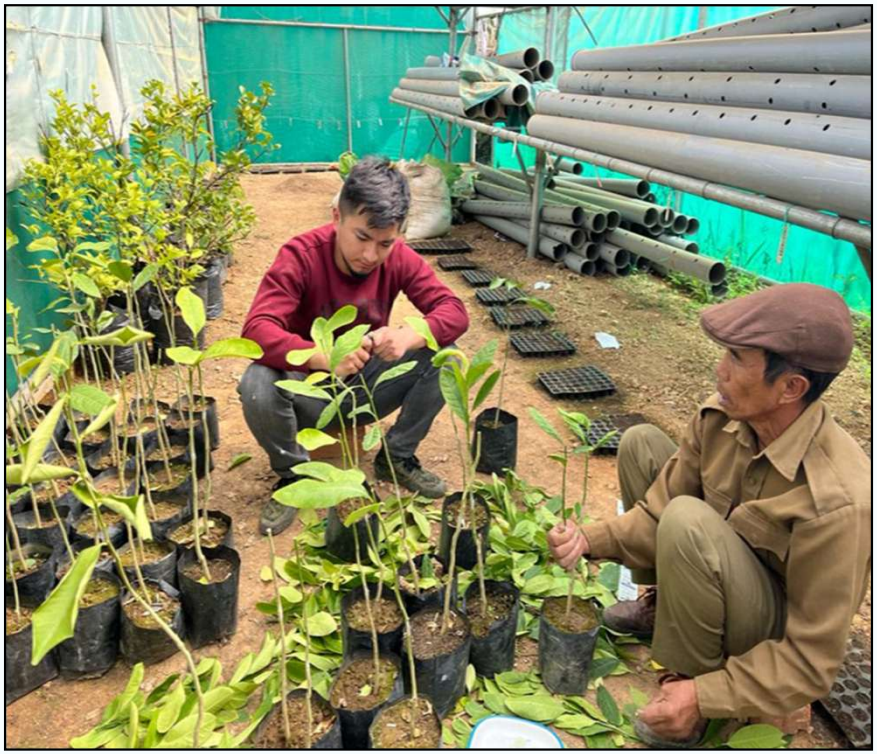




- ❖8 out of 11 districts of Mizoram explored.
- ❖ 89 germplasms have been collected.
- ❖ 62 germplasms have been tagged with IC No.

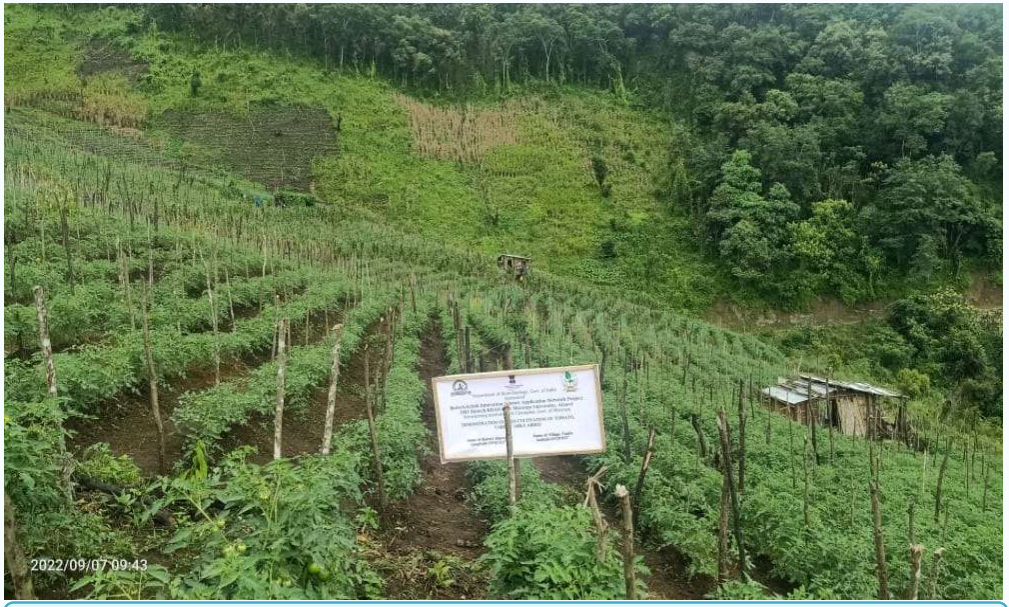
Area explored: Aizawl, Champhai, Khawzawl, Mamit, Hnahthial, Serchhip and Kolasib Districts.

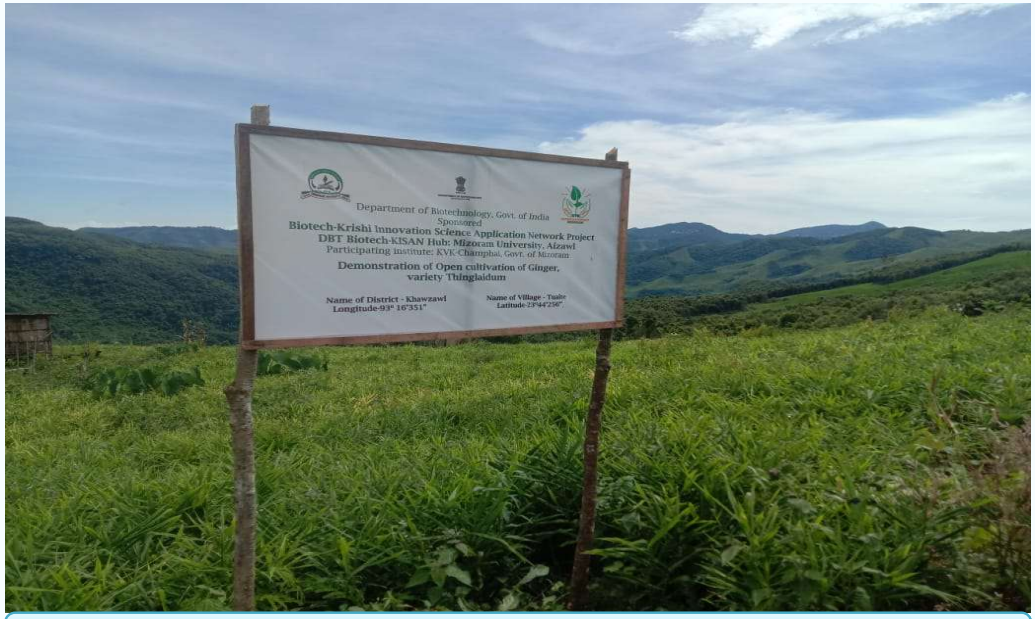



# Biotech-Krishi Innovation Science Application Network in Champhai District

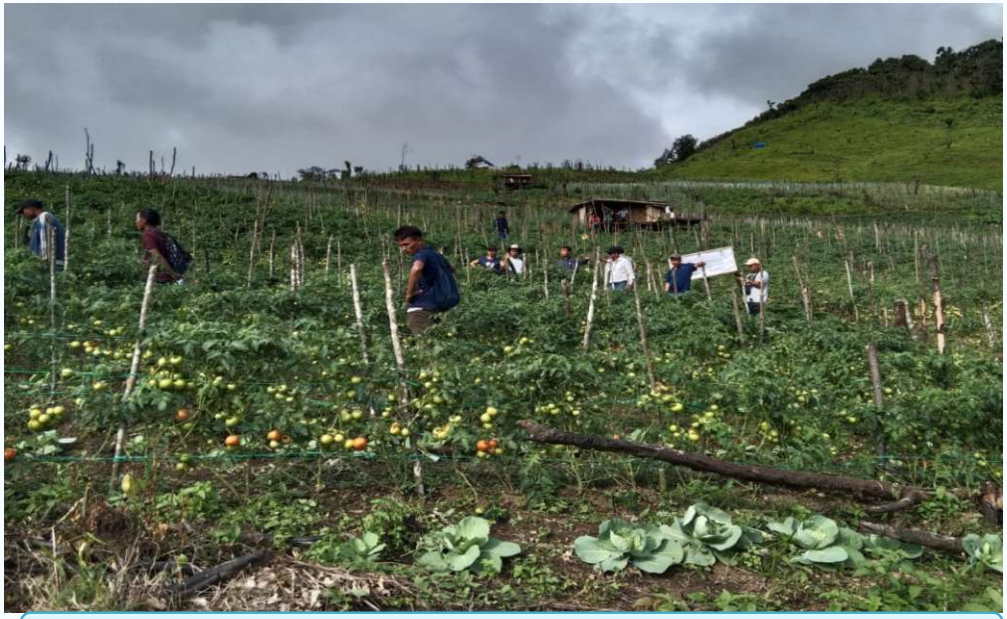

Cultivation of French Bean Var: Zorin




Open Cultivation of Tomato variety Arka Abhed




Demonstration of Ginger variety Thinglaidum



Farmers Exposure Visit at Tualte

# Training Programmes (Farmers)

| Discipline | No. of Training prog. (No. of courses/topics) | | | Participants (Nos.) | | | | | Target Beneficiary (nos.) | % achievement (over target beneficiaries) |
|---|---|---|---|---|---|---|---|---|---|---|
| | T | A | % of A | On | Off | Spon. | Vocational | Total | | |
| Agronomy | 9((9) | 9 | 100 | 96 | 138 | - | - | 234 | 225 | 104 |
| Soil Science | 8(10) | 8(10) | 100 | 40 | 62 | 30 | - | 132 | 100 | 132 |
| **Total** | **-** | **-** | **-** | **136** | **200** | **30** | **-** | **366** | **325** | |
| **Training Programmes (Rural Youth)** | | | | | | | | | | |
| Soil Science | 2(3) | 2(3) | 100 | - | - | 30 | 15 | 45 | 30 | 150 |
| Agronomy | 2(2) | 2(2) | 100 | 28 | 32 | - | - | 60 | 60 | 100 |
| **Total** | **4(5)** | **4(5)** | **100** | **28** | **32** | **30** | **15** | **105** | **90** | |
| **Training Programmes (Extension Personnel)** | | | | | | | | | | |
| Soil Science | 1(1) | 1(1) | 100 | 8 | - | - | 8 | 8 | 100 | 100 |
| Agronomy | 1(1) | 1(1) | 100 | 15 | - | - | - | 15 | 100 | 100 |
| **Total** | **1(1)** | **1(1)** | **100** | **23** | **-** | **-** | **8** | **23** | **100** | **100** |

# Training Programmes (Rural Youth)

| Discipline | No. of Training prog. (No. of courses/topics) | | | Participants (Nos.) | | | | | Target Beneficiary (nos.) | % achievement (over target beneficiaries) |
|---|---|---|---|---|---|---|---|---|---|---|
| | T | A | % of A | On | Off | Spon. | Voc. | Total | | |
| Soil Science | 2(3) | 2(3) | 100 | - | - | 30 | 15 | 45 | 30 | 150 |
| Agronomy | 2(2) | 2(2) | 100 | 28 | 32 | - | - | 60 | 60 | 100 |
| **Total** | **4(5)** | **4(5)** | **100** | **28** | **32** | **30** | **15** | **105** | **90** | |

# Vocational Training Programmes

| | Target Group | No. of Training prog. (No. of courses/topics) | | | Beneficiaries/ participants (No.) | | | Remark |
|---|---|---|---|---|---|---|---|---|
| | | T | A | % of A | T | A | % of A | |
| 1 | Rural Youth | 2(2) | 2(2) | 100 | 30 | 30 | 100 | 2 |
| | Total | 2(2) | 2(2) | 100 | 30 | 30 | 100 | 2 |

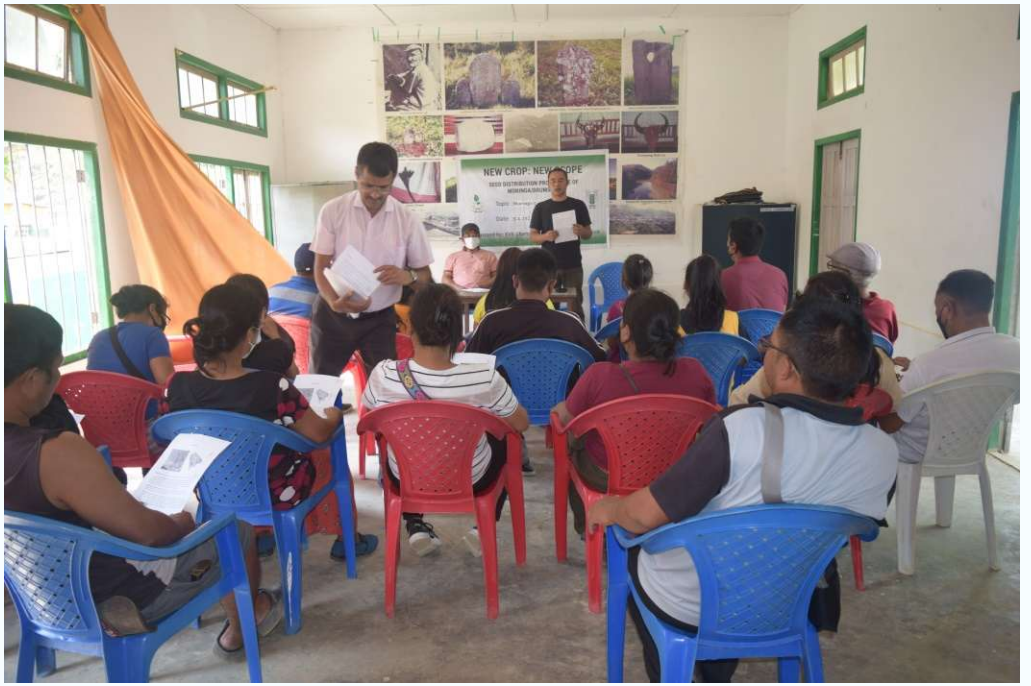
Skill Training of Rural Youth on Mushroom Cultivation

Skill Training of Rural Youth on Beekeeping

Vocational Training on Composting

# Training Photos

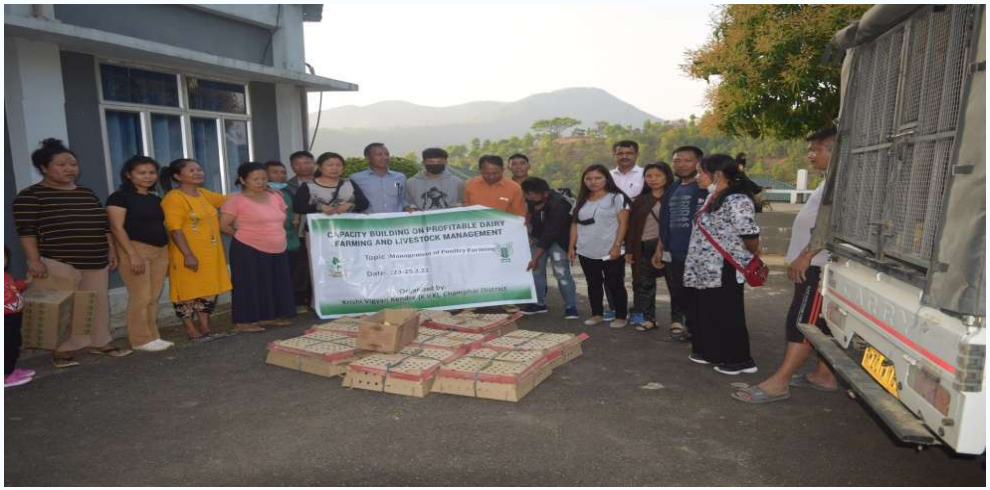




# Sponsored Training Programmes

| Sl. No. | Sponsored Agency/ Org/ Dept. | No. of Training prog. (No. of courses/topics) | | | Beneficiaries/ participants (No.) | | |
|---|---|---|---|---|---|---|---|
| | | T | A | % of A | T | A | % of A |
| 1 | ATMA | 1(1) | 1(1) | 100 | 15 | 17 | 113 |
| 2 | NABARD | 5(5) | 5(5) | 100 | 200 | 213 | 106.5 |
| 3 | MANAGE | 3(3) | 3(3) | 100 | 45 | 45 | 100 |
| | Total | 9(9) | 9(9) | 100 | 260 | 275 | - |






# Natural Farming in KVK Farm

- Total Farm Area (Acre): 11.464 ha
- Total Farm Area (Acre): 11.464 ha
- Area of KVK farm earmarked/ covered under Natural Farming (Acre): 1 ha
- Crops Demonstrated : a) Maize (Local: Mimpui)
  b) French Bean (Local)
- Crop-wise Yield (q/ha): a) 41.43 q/ha
  b) 58.16 q/ha

**Remarks : Maize based cropping system where Maize cultivation was done followed by French Bean cultivation.**

# Activities under 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 |
| 2 | 2 | - | 2 - | - | - | - | 3 | 21 | 17 | 38 | - | - | - | 1 | 12 | 9 | 21 | - | - | - |
| Total | 2 | - | 2 - | - | - | - | 3 | 21 | 17 | 38 | - | - | - | 1 | 12 | 9 | 21 | - | - | - |


# Publications of KVK (2022)

| Item | Nos. | Title and Name of Journal |
|---|---|---|
| Research papers | 3 | 1. Yield gap analysis of tomato through Front Line Demonstration (FLD) in Champhai District of Mizoram. Journal of Plant Developmental Sciences: 14(11): 957-960<br>2.Phenological attributes, fruit set, fruit drop, yield and quality of Khasi Mandarin orange as influenced by application of organic amendments and biodynamic preparations. Biological Agriculture and Horticulture 38(4): 235-246.<br>3. Effect of Rhizobium Innoculation and Plant population on growth and yield Field pea. The Pharma Innovation Journal, 12(6): 4393-4395 |
| Book/ Book Chapter | 1 | Empowering tribal through technology led framin "Tomato cultivation: Prospects and Success in Mizoram" 126-128pp. |
| Newspaper coverage | 33 nos | |
| Leaflets/folders | | Package and Practices of Tomato variety Arka Abhed |
| | 5 | Package and Practices of Moringa |
| | | Vermicompost |
| | | Nutrient Enriched Compost |
| | | Rural Composting (Indore method) |

# Extension Programmes/Actvities

| Extension Activity | Programme/ Activity | | | Beneficiaries | | |
|---|---|---|---|---|---|---|
| | Target (No.) | Achievement (Nos.) | % achievement | Target (Nos.) | Achievement (Nos.) | % achievement |
| Diagnostic visits | 40 | 36 | 98 | 120 | 108 | 98 |
| Advisory Services | 300 | 240 | 80 | 300 | 240 | 80 |
| Celebration of important days | 10 | 10 | 100 | 250 | 265 | 106 |
| Exhibition | 1 | 1 | 100 | 300 | 325 | 108 |
| Exposure visits | 1 | 1 | 100 | 15 | 10 | 66 |
| Farmers Seminar/ workshop | 1 | 1 | 100 | 45 | 45 | 100 |
| Farmers Visit to KVK | 60 | 55 | - | 500 | 560 | - |
| Field Day | 4 | 4 | 100 | 100 | 85 | 85 |
| Kisan Mela | 1 | 1 | 100 | - | 362 | - |
| Self Help Group Conveners meetings | 3 | 3 | 100 | 100 | 125 | 125 |
| Whatsapp Group for Farmers/Entrepreneurs formed | 5 | 7 | 100 | 200 | 180 | 90 |
| News paper coverage | - | 23 | - | - | - | - |
| Awareness Camp | 5 | 5 | 150 | - | 160 | 106 |

# Seed Materials Produced during 2022

| Item | Crop | Variety | Target (q ) | Quantity produced (q) | % achievement | Value (Rs.) | Qty Supplied/ Provided to (No. of farmers) |
|---|---|---|---|---|---|---|---|
| Cereals | Paddy | Manipur buh | 25 | 15 | 60 | 75,000 | 15(40) |
| | Maize | Mimpui | 5 | 5 | 100 | 42,000 | 5(30) |
| Oilseeds | Ground nut | Girnar | 5 | 5 | 100 | 60,000 | 5(15) |
| | Field pea | Aman | 10 | 8 | 80 | 80,000 | 8(16) |
| Pulses | Potato | Kufri Jyoti | 50 | 50 | 100 | 2,00,000 | 50(50) |
| Total | | | 95 | 83 | 87.3 | 4,57,000 | 83(151) |

# Planting Materials Produced in 2022

| Item | Crop | Variety | Target (No) | Quantity produced (No) | % achievement | Value (Rs.) | Qty. Supplied/ Provided to (No. of farmers) |
|---|---|---|---|---|---|---|---|
| Fruits | Jackfruit | Local | 1000 | 1000 | 100 | 10000 | 1000 |
| Forest Species | Drumstick | PKM-1 | 500 | 500 | 100 | 5000 | 500 |
| | Tree Bean | Tahlim(Local) | 1000 | 100 | 10 | 2000 | 100 |
| Vegetables | Tomato | Arka Rakshak & Samrat | 30000 | 10000 | 33.33 | 5000 | 10000 |
| | Broccoli | Green Magic | 15000 | 15000 | 100 | 7500 | 15000 |
| | Cabbage | Ryozeki | 5000 | 5000 | 100 | 2500 | 5000 |
| Total | | | **52500** | 31600 | | 32000 | 31600 |

# Bio-products Produced during 2022

| Item | Product Name | Species | Target | | Quantity produced | | % achievement | Value (Rs.) | Qty supplied and No. of farmers | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | No. | Kg. | No. | Kg. | | | No. | Kg. |
| Bio-fertilizers | Vermi Compost | Eudrilus eugeniae | | 5000 | | 10000 | 200 | 1,50,000 | | 15000 (74) |
| | Vermi wash | Eudrilus eugeniae | | - | | 120 ltr | | 6,000 | | 120 (60) |
| | Azolla | - | | 500 | | 200 | 40 | 4,000 | | 200(48) |
| Total | | | | 5500 | | 12000 & 120 L | 240 | **1,60,000** | | 15320 |

# Soil & Water Testing/Soil Health Cards (SHCs) during 2022

| Sl. No. | Samples tested/ Analysed | Sample (No.) | Farmer beneficiaries | Village covered | Amount realised (Rs.) | SHCs issued to farmers (Nos.) |
|---|---|---|---|---|---|---|
| 1. | Soil sample | 370 | 521 | 12 | - | 370 |
| 2. | Water sample | 50 | 50 | 10 | | |
| 3. | Plant sample | 115 | 115 | 20 | | |
| | Total | 535 | 686 | 42 | - | 370 |

# Status of Mobile Advisory during 2022

| 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 | 35 | 35 | 56 | 56 | 16 | 16 | 9 | 9 | 59 | 59 | 34 | 34 | 209 | 209 |
| Voice only | 124 | 124 | 50 | 50 | 34 | 34 | 45 | 45 | 67 | 67 | 23 | 23 | 282 | 282 |
| Total | 159 | 159 | 106 | 106 | 50 | 50 | 54 | 54 | 126 | 126 | 57 | 57 | 491 | 491 |

# Status of Revolving Fund (RF) during 2022

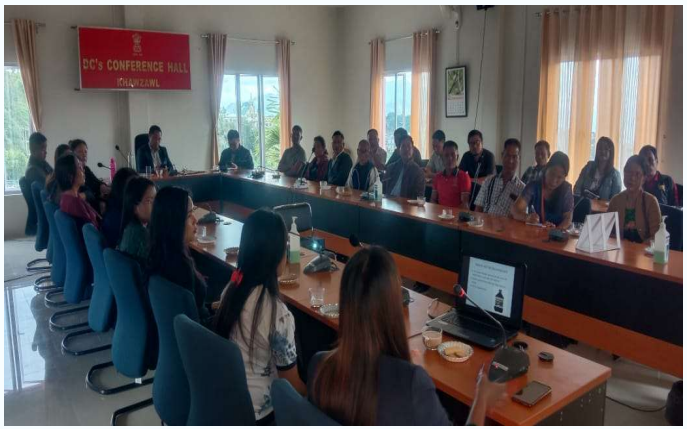
| Sl. No. | Activities | Opening balance as on 1st April, 2021 | Income during the year | Expenditure during the year | Net balance in KVK as on 31st March, 2022 |
|---|---|---|---|---|---|
| 1 | Return from rent of farm equipments and vermicompost | 224,396 | 48,158 | 138,000 | 134,554 |
| | Total |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

# Revenue(R) generation by KVK from different sources other than ICAR during 2022

| Sl. No. | Activity/ Enterprise | Source(s)/ Funding Agency | Revenue generation (Rs.) |
|---|---|---|---|
| 1. | Vermicompost | - | 48,158 |
| 2. | Custom Hiring Centre | - | |
| Total | | | 48,158 |

# Functional Linkages established with different Organizations during 2022

| Name of organization | Nature of linkage |
|---|---|
| NABARD | Trainings |
| ATMA | Training and technical advice as Resource person |
| Block Development Office | Training and technical advice as Resource person |
| Deputy Commisioner Office, Khawzawl. | Training |
| NGOs AMFU, YMA etc | Technology transfer, Awareness programme, Celebration of important days |
| Agriculture Department | Technology transfer and Training |





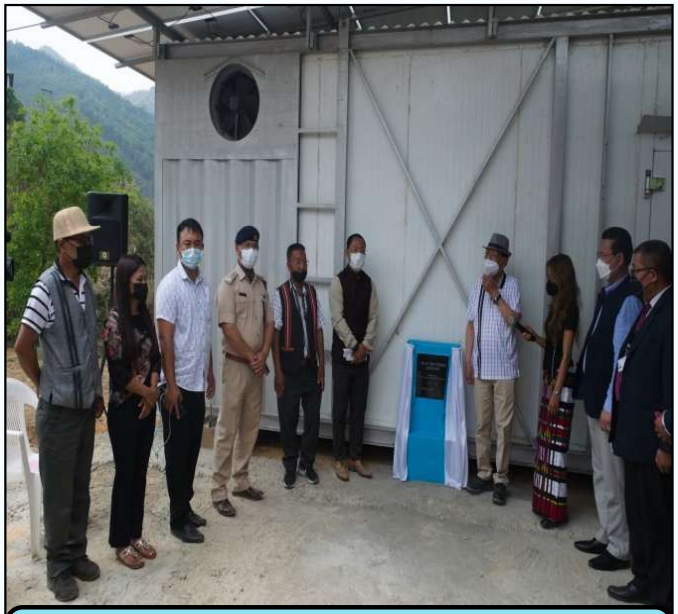
# Awards and recognitions during 2022 (Farmer)

| Sl. No. | Name of Award/ recognition/ fellowship | Professional Society/ Govt. Dept./ Any Agency | Value of award (Rs.) | Significant Contribution/ achievement |
|---|---|---|---|---|
| 1 | Progressive Farmer | Department of Horticulture, Aromatic and Medicinal plants, Mizoram University, Aizawl | 10,500/- | Open Cultivation of French Bean variety Zorin Bean |
| 2 | Progressive Farmer | Department of Horticulture, Aromatic and Medicinal plants, Mizoram University, Aizawl | 105,00/- | Open Cultivation of Tomato variety Arka Abhed |

# Special Programmes

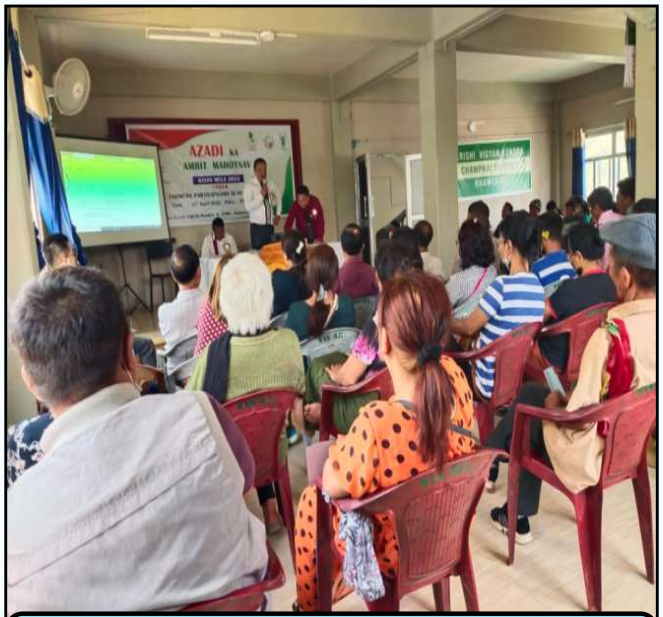
| Sl. No | Name of program | Duration and Date | | No. of participants | | | Chief Guest |
|---|---|---|---|---|---|---|---|
| | | | | M | F | Total | |
| 1 | Jal Shakti Abhiyan (JSA) | Jal Shakti Abhiyan (JSA) | 23.3.2022 | 30 | 20 | 50 | EE, PHE, Khawzawl |
| 2 | Mera Gaon Mera Gaurauv | Mera Gaon Mera Gaurauv | 15.04.2022 | 14 | 8 | 22 | VCP, Chawngtlai |
| 3 | Rabi Campaign | Rabi Campaign | 27.09.2022 | 25 | 18 | 43 | DAO, Khawzawl |
| 4 | Celebrarion of Important Day | Celebrarion of Important Day | | | | | |
| | • World Soil Health Day | • World Soil Health Day | 5.12.2022 | 21 | 14 | 35 | VCP, Kawnzar |
| | • World Environment Day | • World Environment Day | 5.06.2022 | 12 | 28 | 40 | DSO, Khawzawl |
| | • World Food Day | • World Food Day | 16.10.2022 | 14 | 16 | 30 | CDPO, Khawzawl |
| | • World Women Day | • World Women Day | 8.03.2022 | - | 38 | 38 | CDPO, Khawzawl |
| 5 | Swachh Bharat Abhiyan | Swachhta Pakhwada | 16-31.12.22 | 130 | 45 | 175 | VCP Kawnzar, |
| 6 | Any other (pl. specify) | Green Mizoram Day | 11.6.2022 | 40 | 30 | 70 | BDO, Khawzawl |
| | | ICAR Foundation Day | 22.7.2022 | 25 | 15 | 40 | - |
| | | Kisan Diwas | 23.12.2022 | 20 | 10 | 30 | President, AMFU, Khawzawl |
| | | Farmers' Fair (Azadi ka Amrit Mahatsav) | 26.4.2022 | 200 | 162 | 362 | BDO, Khawzawl |
| | | Kisan Mela | 26.4.2022 | | | | BDO, Khawzawl |
| | | Poshaan Maah | 27.9.2022 | | | | DAO, Khawzawl |
| | | Mobilisation of Farmers for Agri-Start up Conclave and Kisan Sammelon | 17.10.2022 | | | | Manager, SBI Khawzawl |

# Action Photos



Inaugural Function of Solar Cold Storage


Training in Collaboration with ICAR-CPRI




Azadi ka Amrit Mahotsav


International Womens' Day

Swachhta Action Plan

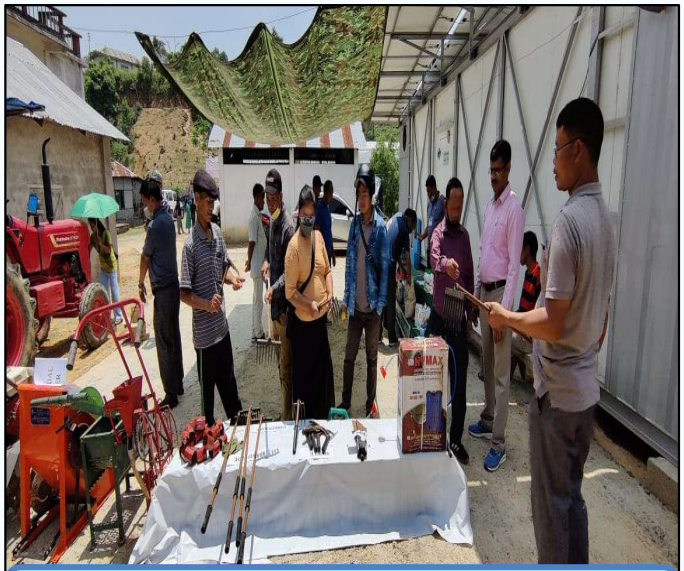

Farmers Field Visit, Farkawn

# Action Photos


Training & Seed Distribution of Field Pea

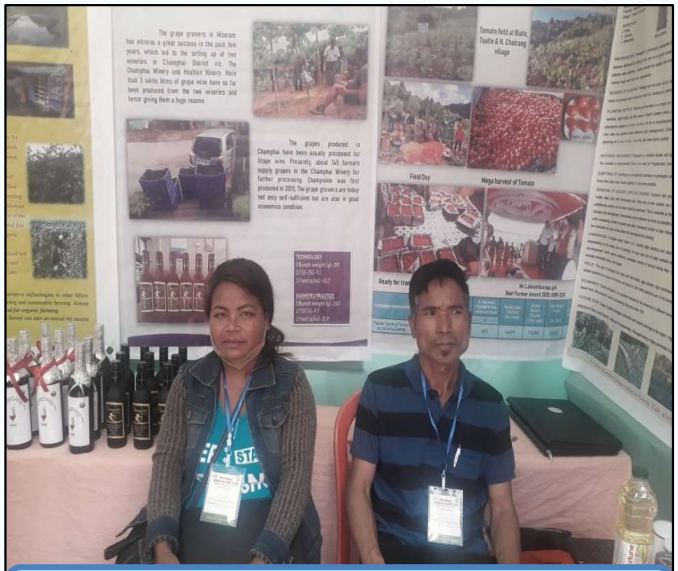

World Soil Day 2022

Training & Seed Distribution of Potato



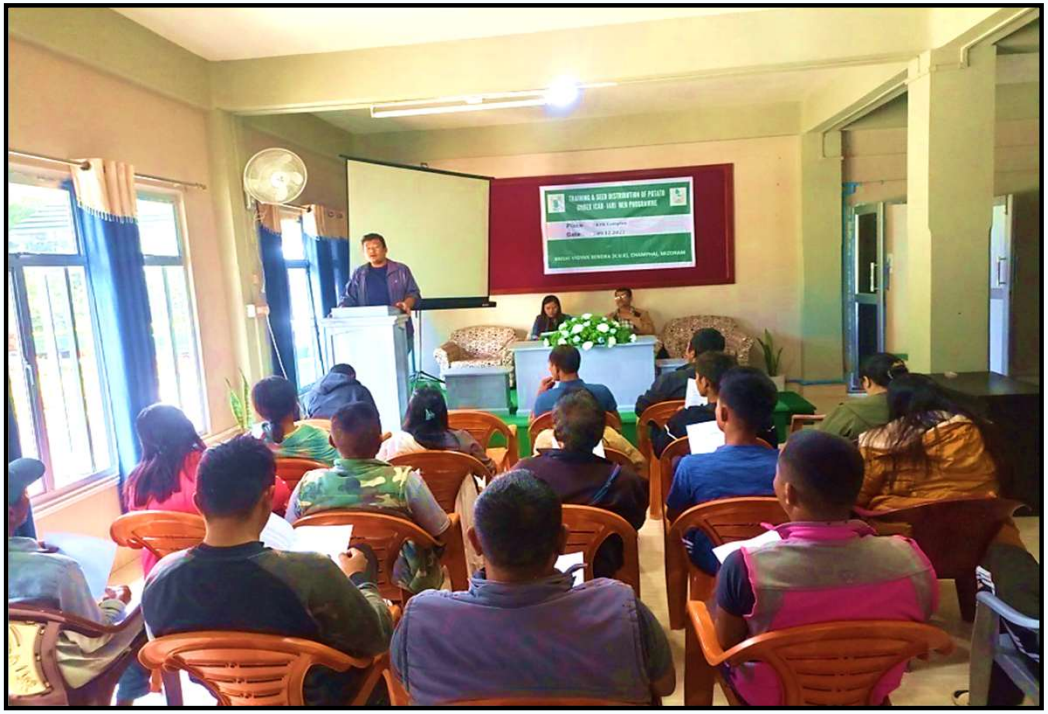
Kisan Mela 2022

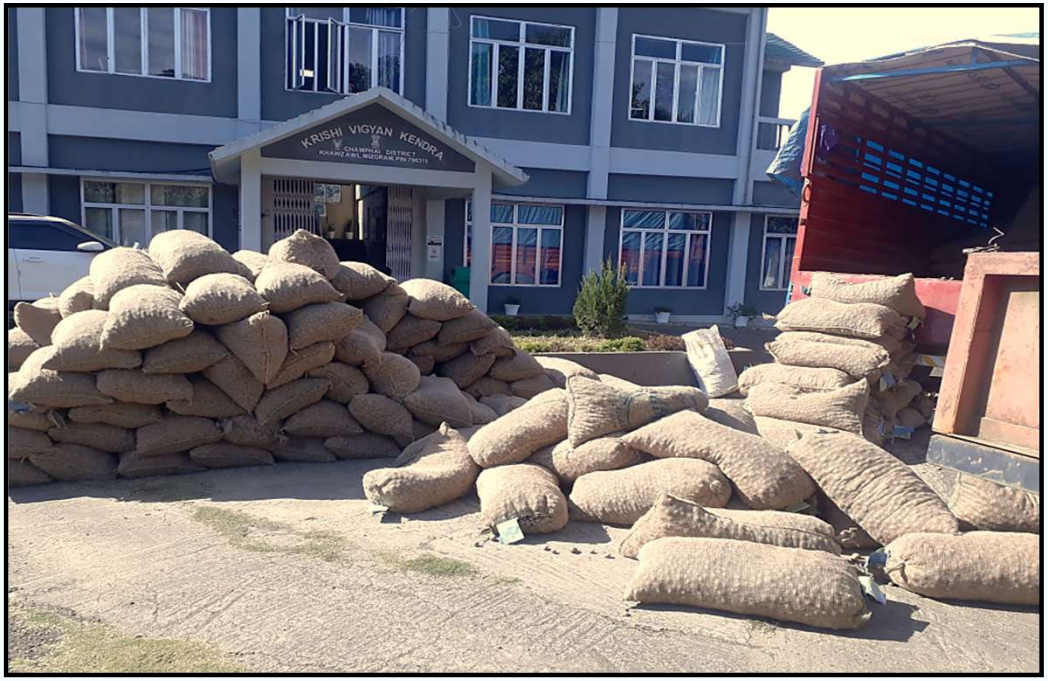

Exposure Visit, Tualte Tomato Field

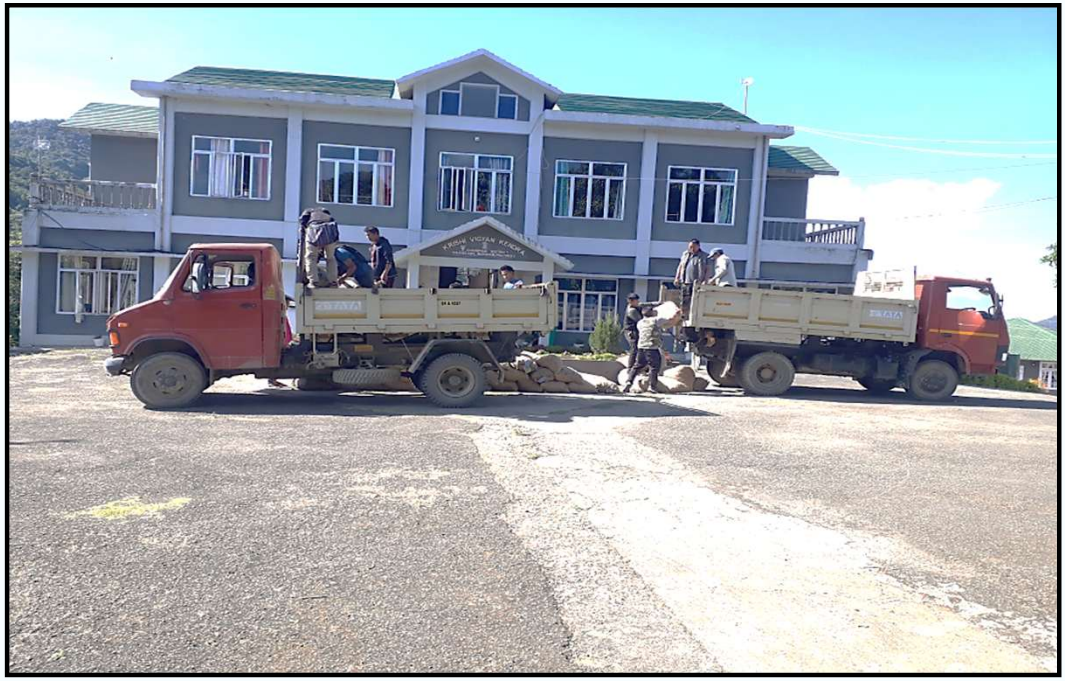


Regional Agri Fair 2022, AAU, Jorhat

# Training & Seed Distribution of Potato Under IARI – NEH Programme



# Feedback of Farmers

Pl. provide farmers' perception on new varieties and technologies (Point-wise).

i. *Most of the farmers are convinced and happy with the taste of sweet corn varieties.*

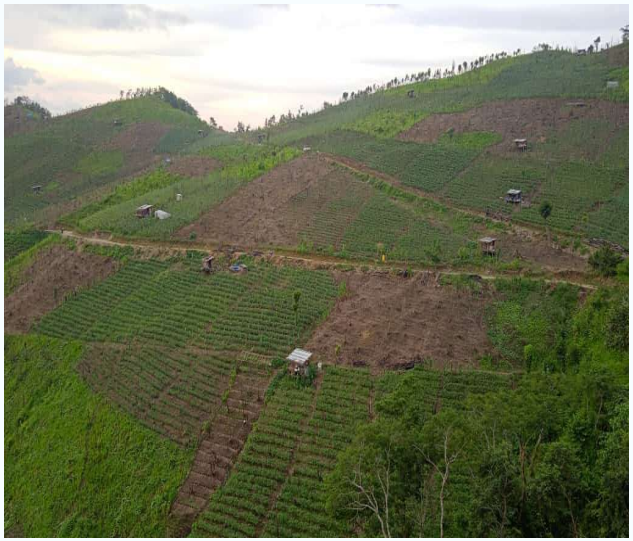
ii. *Farmers are becoming more and more interested in nutrient-enriched compost as the cost of fertiliser purchases rises. There are numerous compost pits used by farmers.*

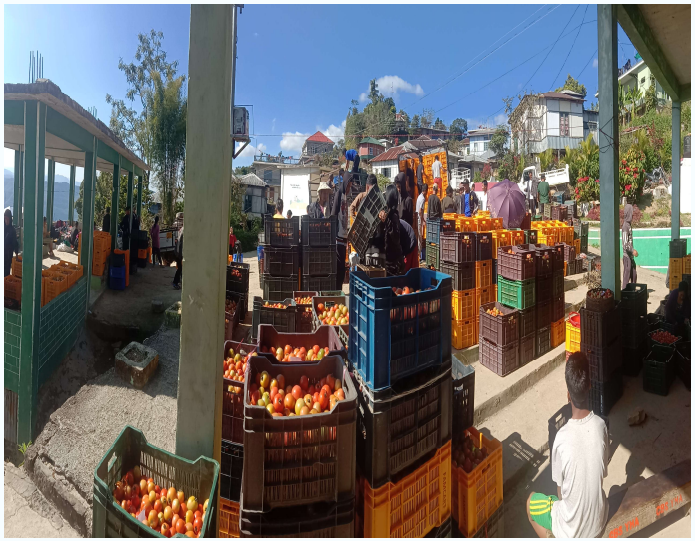
iii. *Farmers are getting profit and enhancing their income with medium and short duration varieties of Field pea/ Vegetable pea.*

# Tomato Cultivation: Prospects and Success in Tualte Village

| Year | No of farmers engaged in tomato cultivation |
|---|---|
| 2018 | 1 |
| 2019 | 24 |
| 2020 | 60 |
| 2021 | 200 |
| 2022 | 223 |

By selling tomatoes, the community earned Rs 5,90,00,000.



# *Thank You*

# *(Ka Lawm e)*