

Action Plan

Oct. 2010 to Mar.2011

KVK MOKOKCHUNG
(Directorate of Agriculture, Nagaland
Estd. 2003

Staff Position

| Sl. No. | Name | Designation | Discipline |
|---------|-------------------|----------------------------|--------------|
| 1 | S. Sosang Jamir | Programme Coordinator | Agronomy |
| 2 | K. Samuel Sangtam | Subject Matter Specialist | Agronomy |
| 3 | Renbomo Ngullie | Subject Matter Specialist | Horticulture |
| 4 | Dr. Rongsensusang | Subject Matter Specialist | Vety & AH |
| 5 | Akangtemjen | Subject Matter Specialist | Entomology |
| 6 | Bendangjungla | Subject Matter Specialist | GPB |
| 7 | Ruyosu Nakro | Subject Matter Specialist | Extension |
| 8 | Moainla | Programme Asstt. (Trg) | Horticulture |
| 9 | I.Tangitla | Programme Asstt (Computer) | |
| 10 | Jweni Semp | Programme Asstt (Farm) | Forestry |

On Farm Trials

| Discipline | Crop/enterprise | No. of Technology/ Social Concept to be | | No. of trials proposed | |
|--------------|-----------------|--|----------|------------------------|------------|
| | | Assessed | Refined | Assessment | Refinement |
| Agronomy | Toria | | 1 | | 4 |
| Entomology | Tomato | 1 | | 4 | |
| Horticulture | Passion fruit | 1 | | 4 | |
| Vety & A.H | Poultry | 1 | | | 10 |
| Extension | Tomato grower | | 1 | | 30 |
| Total | | 3 | 2 | 8 | 44 |

Agronomy

| Crop / Enterprise | Problem with severity | Technology/ Social Concept to be | | Source of techno and year of release | No. of trials proposed | | Parameters of assessment/refinement |
|-------------------|--|----------------------------------|---------|--------------------------------------|------------------------|--------|---|
| | | Assessed | Refined | | Assess | Refine | |
| Toria | Yield gap due to lack of suitable varieties and poor adoption of practices | | TS-46 | RARS, Shillong ani | | 4 | New technology <ol style="list-style-type: none"> 1. No. of branches 2. Height of plant 3. Yield |
| | | | | | | | Farmer practice <ol style="list-style-type: none"> 1. No. of branches 2. Height of plant 3. Yield |

Horticulture

| Crop / Enterprise | Problem with severity | Technology/ Social Concept to be | | Source of techno and year of release | No. of trials proposed | | Parameters of assessment/refi nement |
|----------------------|--|---|-------------|---|---------------------------|------------|--|
| | | Asses sed | Refin ed | | Ass ess | Refin e | |
| Passio n fruit | Low producti on in local cultivars | Yello w type | | ICAR, Barapa ni, 2008 | 4 | | New Technology 1. Fruit bearing duration 2. Yield |
| | | | | | | | Farmer Practice 1. Fruit bearing duration 2. Yield |

Entomology

| Crop / Enterprise | Problem with severity | Technology/ Social Concept to be | | Source of techno and year of release | No. of trials proposed | | Parameters of assessment/refinement |
|-------------------|-----------------------|----------------------------------|---------|--------------------------------------|------------------------|--------|--|
| | | Assessed | Refined | | Assess | Refine | |
| Tomato | Fruit rot infestation | Megha - 1 | | ICAR, Barapani, 2008 | 4 | | New Technology <ol style="list-style-type: none"> 1. % of damage 2. Disease infestation 3. Yield |
| | | | | | | | Farmer Practice <ol style="list-style-type: none"> 1. % of disease 2. Disease infestation 3. Yield |

Agriculture Extension

| Crop / Enterp rise | Problem with severity | Technology/ Social Concept to be | | Source of techno and year of release | No. of trials proposed | | Parameters of assessment/refine ment |
|--------------------------|--|--|-------------|---|---------------------------|------------|--|
| | | Assess ed | Refi ned | | Asse ss | Refin e | |
| Tomato Grower | Poor linkages with extension workers | | HYV | 2005 | | 30 | New Technology: Group discussion, farmers – extension functionaries interaction |
| | | | | | | | Farmers Practice: Group discussion, farmers – extension functionaries interaction |

Vety & A.H

| Crop / Enterp rise | Problem with severity | Technology / Social Concept to be | | Source of techno and year of release | No. of trials proposed | | Parameters of assessment/refinement |
|--------------------------|--|--|-------------|---|------------------------------|----------------|--|
| | | Ass ess ed | Refin ed | | Ass ess | Re fin e | |
| Poultry | Poor production potentially of indigenous birds | Van araj a | | 2005 | 10 | | New Technology 1. Growth rate 2. Egg laying capacity |
| | | | | | | | Farmer Practice 1. Growth rate 2. Egg laying capacity |

Frontline Demonstrations (FLDs)

| Discipline | Crop/enterprise | No: of Technology/ Social Concept | No. of demos proposed | Area (ha) to be covered/ no. of activity | No. of participants /farmers to be covered |
|-------------------|------------------------|--|----------------------------------|---|---|
| Agronomy | Toria | TS-38 | 4 | 2 | 4 |
| Agronomy | Pea | Azad | 4 | 2 | 4 |
| Horticulture | Broccoli | Pushba | 8 | 2 | 8 |
| Horticulture | Tomato | Megha-1 | 8 | 2 | 8 |
| Vety & AH | Piggery | Iron Supplementation | 2 | 40 Nos. | 40 Nos. |
| Total | | | 26 | 8 ha & 40 nos | 64 |

Agronomy

| Crop / Enterprise | Technology / Social Concept to be Demonstrated | Source of tech and year of release | No. of demonstrations | Area (ha)/ activity to be covered | No. of farmers to be covered | Parameters of demonstration |
|-------------------|--|--|-----------------------|-----------------------------------|------------------------------|---|
| Toria | TS -38 | NRC on Rapeseed Mustard, Bharatpur, 2006 | 4 | 2 | 4 | 1. Height 2. No. of branch/plant 3. Yield |
| Pea | Azad | | 4 | 2 | 4 | 1. Height 2. No. of branch/plant 3. Yield |

Horticulture

| Crop / Enterprise | Technology/ Social Concept to be Demonstrated | Source of tech and year of release | No. of demonstrations | Area (ha)/ activity to be covered | No. of farmers to be covered | Parameters of demonstration |
|-------------------|---|--|-----------------------|-----------------------------------|------------------------------|--|
| Broccoli | Pushba | | 8 | 2 | 8 | 1. Head size 2. Head weight 3. Yield |
| Tomato | Megha-1 | ICAR, Research complex, Barapani, 2007 | 8 | 2 | 8 | 1. No. of branches 2. Borer infestation 3. Yield |

Vety. & A.H

| Crop / Enterprise | Technology/ Social Concept to be Demonstrated | Source of tech and year of release | No. of demonstrations | No. of piglets | No. of farmers to be covered | Parameters of demonstration |
|--------------------------|--|---|------------------------------|-----------------------|-------------------------------------|---|
| Piggery | Iron Supplementation | 2000 | 2 | 40 | 40 | <ol style="list-style-type: none">1. Occurrence of Piglet anaemia2. Body weight at weaning |

Training Programmes (Farmers)

| Discipline | Farmers | | | | |
|------------------------------------|--------------|----------|----------|----------|-----------|
| | Course (No.) | On | Off | Spon. | Total |
| Agronomy | 12 | 2 | 2 | - | 4 |
| Horticulture | 15 | 2 | 2 | 2 | 6 |
| Soil health & fertility management | 4 | 1 | 1 | - | 2 |
| Vety & A.H | 8 | 1 | 2 | - | 3 |
| Home science | 4 | - | 1 | - | 1 |
| Plant protection | 6 | 1 | - | - | 1 |
| Production of inputs at site | 1 | 1 | - | - | 1 |
| Fishery | 1 | - | - | 1 | 1 |
| Sericulture | 1 | - | - | 1 | 1 |
| Total | 58 | 8 | 8 | 4 | 20 |

Training Programmes (Rural Youth)

| Discipline | Rural Youth | | | | | |
|----------------------------|-----------------|----------|----------|----------|----------|-----------|
| | Course (No.) | On | Off | Spon. | Voc. | Total |
| Mushroom | 1 | 1 | - | - | 1 | 2 |
| Agronomy | 3 | 1 | - | - | - | 1 |
| Horticulture | 9 | 1 | 1 | 1 | 1 | 4 |
| Vety & A.H | 4 | 1 | 2 | - | - | 3 |
| Post harvest Technology | 6 | - | 1 | - | - | 1 |
| Total | 17 | 4 | 4 | 1 | 2 | 11 |

Training Programmes (Extension Functionaries)

| Discipline | Extension Functionaries | | | | |
|--------------|-------------------------|----------|----------|----------|----------|
| | Course (No.) | On | Off | Spon. | Total |
| Agronomy | 2 | 2 | 1 | - | 3 |
| Horticulture | 2 | - | - | - | - |
| Vety & A.H | 2 | - | 1 | - | 1 |
| Extension | 6 | 1 | 1 | - | 2 |
| Total | 14 | 3 | 3 | - | 6 |

Extension Activities

| Extension Activity | Nos. Proposed | Beneficiaries (No.) | | | Total |
|-----------------------|---------------|---------------------|--------------|-------------|-------|
| | | Farmers | Extn. Funct. | Rural Youth | |
| Field Day | 4 | 143 | - | 86 | 229 |
| Exhibition | 1 | | | | |
| Film Show | 5 | | | | |
| Method Demonstrations | 2 | 47 | 19 | - | 66 |
| Farmers Seminar | 2 | 75 | - | - | 75 |
| Group meetings | 6 | 124 | - | 35 | 159 |
| As resource persons | 7 | | | | |
| Newspaper coverage | 4 | | | | |

Cont.....

| Extension Activity | Nos. Proposed | Beneficiaries (No.) | | | Total |
|-----------------------------------|---------------|---------------------|--------------|-------------|-------|
| | | Farmers | Extn. Funct. | Rural Youth | |
| Radio talks | 4 | | | | |
| Extension Literature | 3 | | | | |
| Advisory Services | 6 | 43 | - | - | 43 |
| Scientific visit to farmers field | 12 | 60 | - | - | 60 |
| Farmers visit to KVK | 13 | 156 | - | - | 156 |
| Diagnostic visits | 3 | | | | |
| Exposure visits | 2 | 120 | - | 25 | 55 |
| Animal Health Camp | 2 | 120 | - | - | 120 |
| SHG meetings | 2 | 36 | - | 29 | 65 |

Seed Materials

| Item | Crop | Variety | Proposed quantity (Qt) | Value (Rs.) | To be provided/supplied to (Exp. No. of farmers) |
|-------------------|-------------|---------------|------------------------|---------------|--|
| Cereals | Jhum paddy | SARS-1 | 5 | 4000 | 15 |
| | WRC/TRC | SARS-6 | 10 | 8000 | 30 |
| Pulses | Soybean | JS -335 | 4 | 16,000 | 30 |
| | French bean | Mutre (local) | 4 | 14,000 | 50 |
| Vegetables | Tomato | Megha -1 | 0.02 | 1,600 | 40 |
| Others | Turmeric | Megha -1 | 15 | 22,500 | 55 |
| Total | | | 38.02 | 66,100 | 220 |

Planting Materials

| Item | Crop | Variety | Proposed quantity (Nos.) | Value (Rs.) | To be provided/supplied to (Exp. No. of farmers) |
|-------------------------|---------------|---------------------|--------------------------|---------------|--|
| Fruits | Passion fruit | Yellow type, Kavery | 3,000 | 15,000 | 25 |
| | Banana | Malbhog | 1000 | 12,000 | 20 |
| Spices | | | | | |
| Forest Species | Alder | Local | 2500 | 12500 | 120 |
| Vegetables | | | | | |
| Plantation Crops | | | | | |
| Others | | | | | |
| Total | | | 6,500 | 39,500 | 165 |

Literature proposed to be developed/ published

| Item | Title | Number |
|-----------------------|---|-----------|
| Research paper | 1. Date of sowing in black gram | 1 |
| News letter | KVK, Mokokchung News letter | 1 |
| Extension literatures | 1. Package and practices of Broccoli 2. Cultivation practices of groundnut 3. Pest management in citrus 4. Management of banana orchard 5. Importance of book keeping and their usage for SHGs 6. Scope and potential of goatery rearing 7. Technologies options for improving backyard poultry | 7 |
| Manual | How to Start & Manage a Goatery unit | |
| CD (Media) | Bamboo flowering and rodent outbreak | 1 |
| Total | | 10 |

Thank you

