

ANNUAL REPORT
Of
Central Institute of Horticulture
Medziphema, Nagaland
(2008-09)

Objectives

- Capacity building and training of TOT as well as farmers
- Refinement & demonstration of improved technologies
- Follow on extension support
- Promotion of organic farming
- Establishing convergence and synergy among programmes.
- Monitoring of Centrally sponsored schemes

Programmes:

1. Capacity building

- Training of trainers for the State Deptt. Officers & Field Extension functionaries to make them a Master Trainers for their own state
- Farmers trainings for crop & location specific by the master trainers

2. Technology Refinement:

- HDP in banana, pineapple
- Micro-irrigation & fertigation for some high value crops
- Protected cultivation of identified crops
- Promotion of organic farming for export oriented crops
- Agro techniques for Passion fruit, Kiwi, Cashew, Large cardamom and Patchouli

3. Demonstration of improved technologies:

- Improved varieties/hybrids of identified crops under TMNE
- Improved agro techniques for comm. prod. of identified crops
- Rejuvenation of declined mandarin orchards
- HDP of Banana with tissue cultured plants
- HDP in pineapple with across slope planting & flower induction
- Off-season production of selected vegetables crops

4. Production & supply of quality planting materials:

- Establishment of Mother blocks
- Procurement of breeder's seed, nucleus planting materials & mother plant
- Establishment of modern nurseries
- Creation of hardening facilities for tissue cultured plants

- Production of nucellar seedlings (Mandarin)
- Providing technological support to states for testing & certification of planting materials

5. Post harvest management, marketing & agri business promotion

- Establishment of model pack house with cold storage
- Establishment of small scale pilot testing plant- for processing of value added products
- To act as catalyst for promotion of processing
- Organize trainings & motivational tours for entrepreneurs

6. Monitoring –TMNE activities & centrally sponsored schemes

- Monitoring of various activities under TMNE
- Provide technical support for effective implementation of programmes

7. Coordination

- State Horticulture & allied departments
- Universities - CAU, AAU, NU
- ICAR(Barapani) & its regional centres (NRC,Sikkim/RRL,jorhat) & KVKs
- National institutes- IIHR, Bangalore /CPRI,Shimla/CPCRI,Kasargod/ CTCRI Trivandrum, IIVR

MAN POWER:

- Director: Dr.Akali Sema w.e.f. 30th July' 08
- Technical Consultants :(on contract) – 5 (five)
- Mr. A.K. Singh (17/08/2006)
- Dr.Chandra Deo (Aug 2006-March 2007)
- Late Mr. Baruah (08/07/2007-12/01/2008)
- Mr. Varun Singh (Aug.2006-Sept.2006)
- Ms.Ethel Ngullie (05/07/2007)
- Mr.Arvind Singh (12/07/2007)
- Miss. Meribeni Shitiri (12.01.2009)
- Mr. Tiakum Kichu (27.02.2009)
- Vacant post: 16

INFRASTRUCTURES

- All polyhouses completed
- Water source: Bore well to be completed
- Water reservoir completed, only installation of pump is in progress
- Light – Platform of D.G. Set completed
- Naga Machang – completed
- Security hut – completed
- Security barrack – in progress
- Thatch Rest camp – completed
- Water harvesting unit – in progress

CONSULTANCY SERVICES

- Chief Consultant : Dr. S.P. Ghosh, approval pending
- Project Consultant : Dr. G.C. Chauhan, Pune

TRAININGS Organized

Nagaland –

1. Training of Trainer's Programme on Advanced Horticulture Development Workshop on Cashew (26th – 28th May 2006)
2. Production & Post Harvest Management of Fruit & Vegetable (20th – 23rd Sep. 2006)
3. Training of Trainer's on Fruit & Vegetable Crops (4th – 7th Oct. 2006)
4. Workshop on Horticulture & Allied Sectors (31st Oct. to 1st Nov. 2006)
5. TOT on Post harvest handling of fresh fruits & vegetables (16th & 17th Oct.2008)
6. Training on "Office Management" (January' 2009)
7. TOT on "Cashew Cultivation & Processing" (19th to 20th Feb.2009)
8. Training on "Banana Fibre Extraction" (28th Feb & 1st March'2009)

Assam –

1. Entrepreneurship Development in Selected Agri. & Horti. Enterprises (15th to 20th Dec.2008)
2. Biotech Consortium India Ltd. National Certification System for Tissue Culture Raised Plants (NCS-TCP) (11th Nov. 2008)
3. Drip Irrigation (27th Jan.'2009)

Mizoram-

1. TOT on Protected Cultivation (4th Feb.'2009)

Arunachal Pradesh –

1. Workshop cum Training Programme on Organic Farming & Certification (13th to 15th Dec.2008)

SPONSORED PROGRAMMES:

ICCOA, Bangalore –

1. Workshop cum training on Organic farming and Certification for State Govt.
Officials & entrepreneurs of 8 NE states during July & Aug.08 – 400 persons
i.e., Approx.50 persons for each state

1st Phase - Medziphema (Nagaland)- 39, Imphal (Manipur) –57
2nd Phase – Guwahati (Assam), Aizawl (Mizoram), Shillong (Meghalaya)
3rd Phase - Tripura, Sikkim, Arunachal Pradesh
2. Training on “Organic Farming & Certification” (7th to 11th March’ 2009)

PARTICIPATION

1. New Pension Scheme, Guwahati, Assam (17th to 18th Oct. 2008)
2. Greenhouse Management Training, HTC, Pune (22nd to 26th Oct. 2008)
3. 3rd Indian Horticulture Congress, (6th to 9th Nov. 2008)
4. India Organic Fair, New Delhi (27th to 30th Nov.’ 2008)
5. National Expo-2009, Assam (10th to 12th Feb.’2009)
6. World Organic Trade Fair - BioFach 2009, Germany (19th to 22nd Feb.’2009)

PUBLICATIONS

1. Training manual on Post harvest management of Horticultural crops.
2. Drip Irrigation – its management.
3. Steps involved in Citrus Rejuvenation.
4. Cashew Cultivation and Processing.
5. Practical manual on protected cultivation of ornamentals.
6. A guide to Fibre Extraction of Banana and Pineapple.
7. Training manual on production of vegetables.
8. Production Technology of Spices and plantation crops cultivation.

9. A practical guide to Medicinal and Aromatic plants.
10. A practical guide to nursery production and management.
11. Manual on use of plastics in Horticulture.
12. Propagation techniques in Horticultural crops- a guide book.

MEETINGS

1. Board of Management (26th Sept'2008), Krishi Bhawan, New Delhi
2. Interface Meeting (23rd Sept.'2008), Office chamber of Horticulture Commissioner & Secretary, Kohima
3. Interface Meeting (23rd Nov.'2008), Horticulture Conference hall, Nagaland
4. Interface Meeting (4th Dec.'08), Horticulture Conference hall, Sikkim
5. Interface Meeting (21st Jan.09) Directorate of Horticulture, Shillong
6. Technical Advisory Committee (2nd Jan'09)
7. Demonstration Committee Members (29th Jan.'2009)
8. Purchase Committee Members (30th Jan.'2009)

BOOKS PURCHASED

1. Hand book on Pressurized Irrigation Techniques
2. Green house management for horticultural crops
3. Production technology of spices and plantation crops
4. Diseases of horticultural crops
5. Aromatic Plants
6. Flower Crops: Cultivation and Management
7. Fruit Crops
8. Medicinal Plants
9. Post harvest Technology of Horticultural Crops
10. Vegetable Crops

PLANTATIONS

Mother plant

- Citrus (exotic, Sikkim mandarin & kachhai lemon)- 250 plants + 100
- Litchi - 15
- Guava -100
- Mango- 10
- Cashew – 80

Propagation:

- Citrus

Rootstock

- Citrus : 30,000
- Cashew: 5000+7000

Commercial plantation

- Pineapple- 10,00000+ 6000
- Banana- 1000 +800

Multiplication:

- Citrus
- Cashew

VEGETABLES

- Tomato
- Capsicum
- Cabbage
- Cauliflower
- Beans
- Okra
- Turnip & Radish