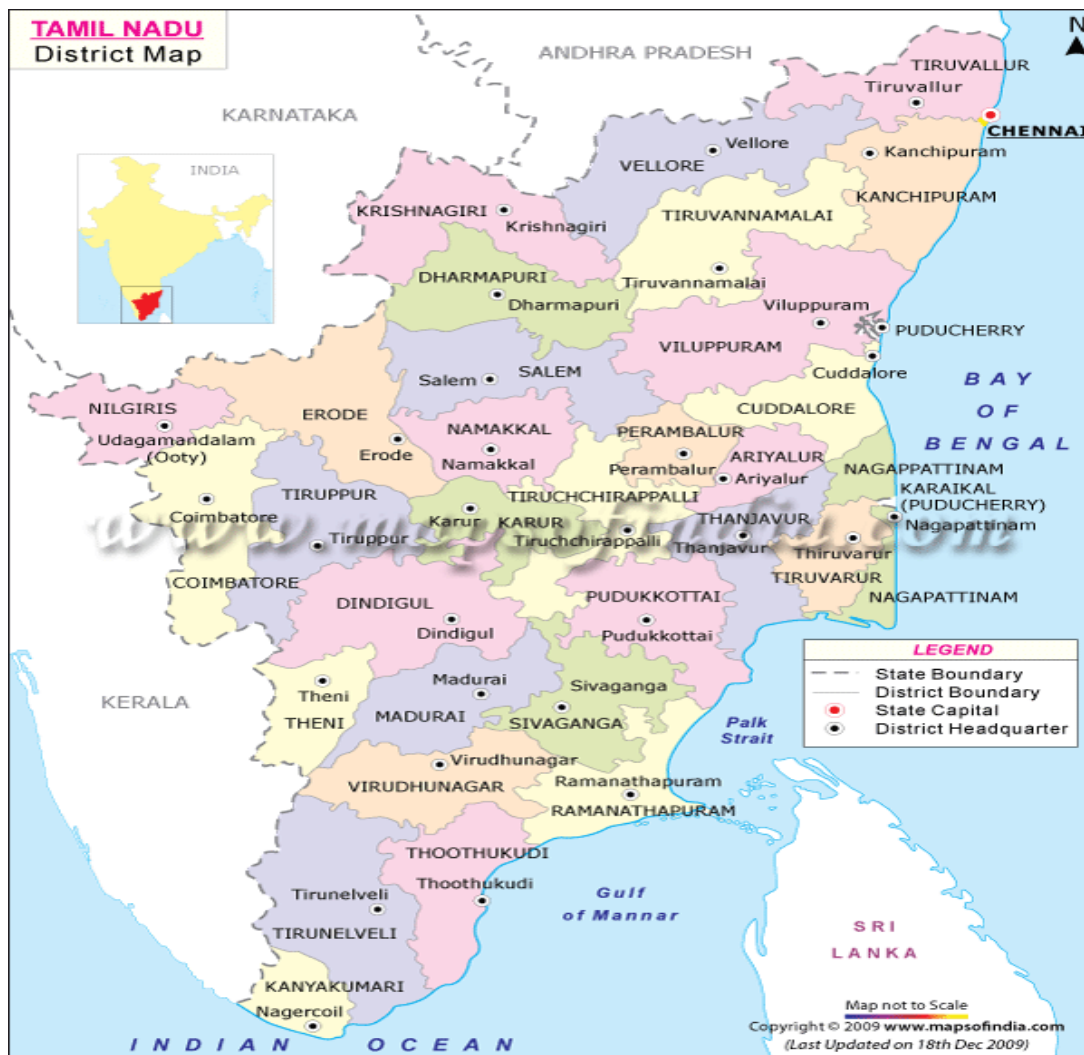


**Report of Joint Inspection Team to monitor the implementation of National Horticulture Mission
Scheme in Tamil Nadu State:**



Team Members:

1. Dr. H. V. L. Bathla, Chief Consultant (NHM)
2. Dr. Tamil Selvan, Director, Directorate of Arecanut and Spices Development, Calicut (Kerala).
3. Dr. S. Santhana Bosu, Principal Investigator (PFDC), Agriculture College and Research Institute, T.N.A.U., Coimbatore (Tamil Nadu)
4. Dr. M. Selvarajan, Professor and Head, Department of Fruit Crops, Horticulture College and Research Institute, Periyakulam (Tamil Nadu)
5. Director, Directorate of Cashewnut and Cocoa Development, Cochin (Kerala). (Could not attend).
6. Sh. P. Subbaian, Additional Director (Horticulture) as SHM Representative.

Dates of visit: 31.01.11 to 05.02.11

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After reaching Chennai, the JIT had a meeting under the Chairmanship of Managing Director, TANHODA on 31st January, 2011. The minutes of the meeting are enclosed as below.

1. Minutes of the meeting held at the Commissionerate of Horticulture and Plantation Crops with the Joint Inspection Team on 31.01.2011

At the outset, Dr. Chandra Mohan B. Managing Director, TANHODA, welcomed the members of the Joint Inspection Team (List of Members enclosed) and presented the activities of the Department and implementation of various development schemes in Tamil Nadu.

The Commissioner of Horticulture and Plantation Crops suggested that the NHM have to be implemented in all Districts without any restriction. And also added that the assistance to the farmers under vegetable cultivation need to be provided under NHM.

The fund release pattern for the Government of India schemes especially for NHM, MI schemes makes it difficult to achieve the target based on the season of the year and it is suggested that at least 50% of the approved outlays should be released in the first installment.

Further, he suggested to develop technologies for off season bearing of mango and on the residual toxicity in vegetables. Also, more concentration need to be given on Grapes, Papaya and Pineapple as the area is increasing in Tamil Nadu, the institutional mechanism to access international marketability, ultra high density programme and Bamboo cultivation etc.

The districts which have potential for horticulture but are presently not covered under NHM like Namakkal, Tuticorin, Thiruvallur, Kancheepuram, Virudhunagar districts etc. can be considered for inclusion under NHM.

Commissioner of Horticulture and Plantation Crops mentioned that access to the export market have to be developed so that more farmers come forward to take up cultivation in more area which leads to the conversion of waste lands into production one.

With regard to Bamboo Mission Commissioner of Horticulture and Plantation Crops mentioned that no funds were released for the current year.

Chief Consultant (NHM) raised question about rejuvenation programme in the State. The Director, DSAD intervened that because of the reluctance of the farmers of Tamil Nadu the rejuvenation could not be done vigorously. However, it is being taken up here and there.

Dr..Selvarajan, mentioned about the spraying of paclobutrazol to increase the production of off season mango crop in all mango growing areas. He also mentioned that the technology is available in Perikulam College. But the cost of the chemical used for this purpose is high. So assistance to the farmers may be given to this under NHM.

The Assistant Director, NHB, Chennai also mentioned that already 6 farmers in Dharmapuri district are using this practice. The Commissioner of Horticulture and Plantation Crops requested Dr. Selvarajan to make a power point presentation at Coimbatore for the Joint Inspection Team on 4th February, 2011 during their field visit.

The Commissioner of Horticulture and Plantation Crops expressed deep concern about area expansion of the horticultural crops with latest technologies to maximize the productivity which in turn benefit the farming community. This is essential to increase the area under vegetables. Moreover, training also need to be given by PFDC in consultation with the Horticulture Department. The strategies for increasing the productivity were discussed with JIT in detail.

The farming system need to be strengthened at present so that more people will come for cultivation in future and sustained growth rate will be possible.

A documentary film on "Precision Farming" was viewed. The meeting was concluded with vote of thanks by the Additional Director, TANHODA.

For Managing Director

(TANHODA)

LIST OF OFFICERS PRESENT IN THE MEETING ON 31.01.2011

1.	<p>Dr. Chandra Mohan, B., I.A.S., Managing director, TANHODA/ Director of Horticulture & Plantation Crops, Chennai – 5.</p>
2.	<p>Dr. H.V.L. Bathla Chief Consultant (NHM), Ministry of Agriculture & Cooperation Department of Agriculture & Cooperation (National Horticulture Mission) New Delhi.</p>
3.	<p>Dr. M.Tamil Selvan Director. Directorate of Arecanut and Spices Development Calicut – 5 Kerala.</p>
4.	<p>Dr. M. Selvarajan, Professor & Head, Department of fruit Crops, Horticulture College and Research Institute Periyakulam, Tamil Nadu</p>
5	<p>Dr. S. Santhana Bosu Principal Investigator (PFDC) & Dean Agriculture Engineering college and Research Institute Tamil Nadu Agriculture University. Coimbatore.</p>
6,	<p>Thiru.B. Radhakrishnamoorthy, Senior Assistant Director, National Horticulture Board, Chennai -</p>
7.	<p>Thiru. P. Periyasamy. Additional Director, (Plants) O/o Commissioner of Horticulture and Plantation Crops, Chennai -5</p>

8.	Thiru. P. Subbian. Additional Director, (Plants) O/o Commissioner of Horticulture and Plantation Crops, Chennai -5
9.	Thiru. K. Periyasamy. Joint Director, (TANHOPE) O/o Commissioner of Horticulture and Plantation Crops, Chennai -5
10.	Thiru. G. Mohan. Joint Director, (Farm) O/o Commissioner of Horticulture and Plantation Crops, Chennai -5
11.	All Technical Officers, TANHODA

2. HORTICULTURE – IN THE STATE

Horticulture is the fastest growing sector in the state. It is suitable venture for small and marginal farmers. The area under fruits, vegetables, spices, flowers, plantation crops, medicinal & aromatic plants in the states is 10.08 lakh ha., the total production is 195.81 lakh MT. The state occupies first position at national level both in area and production of banana and also in case of area, production and productivity of Tapioca the state is number one in the country.

AREA COVERED UNDER NHM 2005-2006 to 2009-2010

Fruits	90466 Ha	Mango, Aonla, Banana
Flowers	11654 Ha	Cut flowers, Bulbous & Loose Flowers
Spices	46248 Ha	Turmeric and Chillies
Medicinal & Aromatic	4656 Ha	Coleus, Rosemary, Thyme
Plantation Crops	25053 Ha	Cashew, Cocoa
Total	178077 Ha.	

STRATEGIES FOR IMPROVING PRODUCTIVITY

- Precision farming with Micro irrigation
- High density planting
- Protected cultivation
- Rejuvenation of old orchards – Canopy management
- Hybrid and high yielding varieties of seeds and TC Planting Materials.
- Promotion of Inter cropping
- Modernization of State Horticulture Farms for increasing production of pedigree planting material
- Capacity building for farmers and officials

PRECISION FARMING

- Micro irrigation with fertigation
- Scientific crop cultivation practices
- 16489 ha covered in last three years
- 20 to 35% increase in productivity is seen
- Banana productivity as high as 80 – 100 MT /ha
- Better marketable quality
- 20% Increased price realization
- In 2010-11 it is proposed to cover 8500 ha., with a financial outlay of Rs.2737 lakh.

OBSERVATIONS:

- 1. NHM needs to be extended in other potential districts which are not covered so far.**
- 2. Area expansion programme need to be strengthened in the State without affecting the present area under cereal and other agricultural crops. Only vacant and fallow lands should be utilized for area expansion.**
- 3. Potential for horticulture crops like Grapes, Acid Lime, Papaya and Pineapple needs to be explored in the State for inclusion in the NHM programme.**
- 4. Institutional mechanism to have access to the international markets has to be explored for exports of horticulture crops for the benefit of farmers.**
- 5. Training need to be imparted to all the precision farming beneficiaries as well as concerned officers.**

Thereafter, the JIT visited different districts of the State. The district-wise brief particulars, fields/activities visited alongwith JIT observations are given below:

3. DISTRICT; KRISHNAGIRI

Introduction:

The Tamil Nadu has been divided into seven agro climatic zones based on different Climatic Conditions viz, Western Zone, Southern Zone, North Eastern Zone, North Western Zone, Delta Zone, High Rain Fall Zone and Hilly and Tribal Zone.

Krishnagiri occupies the Fourth Zone called as “North Western Zone”. The Profile of the Krishnagiri district is described below:

(Area in Ha.)

Geographical Area	-	514326
Forest	-	202409
Barren and uncultivated Land	-	24307
Culture Waste	-	42183
Permanent Pastures	-	8072
Miscellaneous Trees	-	9212
Current Fallows	-	42527
Other Fallows	-	7820
Net area sown	-	173814

SOIL TYPES:

Red loamy soil and black mixed soils are prevailing in the District.

RAIN FALL PATTERN (mm):

Sl. No.	Year	Rainfall in mm
1	2001	1311.40
2	2002	353.90
3	2003	471.50
4	2004	104.70
5	2005	1073.80
6	2006	223.00
7	2007	485.70
8	2008	651.20
9	2009	253.00
10	2010	536.00

Rain fall – Normal – 863.5 mm

IMPORTANT CROPS AREA AND PRODUCTION

Crop	2005-06		2006-07		2007-08		2008-09	
	Area (Ha)	Production MT	Area (Ha)	Production MT	Area (Ha)	Production MT	Area (Ha)	Production MT
Banana	1813	641.35	2177	106.9	2170	117.8	2251	112
Coriander	140	0.41	94	0.3	108	35.2	104	33.89
Chillies	346	3.5	441	4.6	467	5.38	429	4.93
Onion	75	06.75	102	1.8	148	1.29	129	1.03
Tapioca	1186	241.18	1949	74.9	1558	62.8	1439	57.99



FARMER'S FIELD VISITED:

Beneficiary No. 1

- 1. Name and address of Beneficiary whose field visited:-** Farmer's Market Taluk Office Road
- 2. Total land available with the beneficiary (ha):-** 1.22
- 3. Crop Cluster under which covered:-** Vegetable, Fruits & Flowers
- 4. Name and variety of crop planted:-** Tomato, Cabbage, Cauliflower, Brinjal,
Bhindi, Onion, Banana, Rose, Chrysanthemum
- 5. Sources of planting material:-** Agro Service & Private Nurseries
- 6. Number of plants planted/rejuvenated:-** 184 shops
- 7. Date of planting/rejuvenation:-** 19.1.2000 Date of Opening
- 8. Number of plants which survived(also indicate percentage survival):-**
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** Cold storage
- 10. Amount paid and date of payment:-**Rs. 6.05 lakh 2 MT Capacity
- 11. Mode of payment:-**
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
- 13. Whether Drip/Sprinkler system in use: -** Drip
- 14. Other inputs provided: -** -----
- 15. Whether assistance availed for Organic Farming: -**
- 16. If so, area covered: -** No

17. Assistance availed: - No

18. Available marketing facility for the crop:-

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Good.

21. Any other relevant observation by the JIT:- Maintenance of farmers market is good.

The beneficiaries appreciated the facility of cold room provided under NHM. All types of vegetables are available for the consumers.

Beneficiary No. 2

1. Name and address of Beneficiary whose field visited:- Mr. Rama Reddy S/o Rama
Reddy Chinnabelakandapally Hosur Block

2. Total land available with the beneficiary (ha):- 2

3. Crop Cluster under which covered:- Vegetable

4. Name and variety of crop planted:- Capsicum/ Bombay Red orabilly,

5. Sources of planting material:- Syngenta Private Company

6. Number of plants planted/rejuvenated:- 5000

7. Date of planting/rejuvenation:- 15.1.10 Date of Opening

8. Number of plants which survived(also indicate percentage survival):- 4800

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):- 3,25,000

10. Amount paid and date of payment:-

11. Mode of payment:- Through RIGS

12. Source of Irrigation Water (Bore well/Tube well/Canal):- Bore well

13. Whether Drip/Sprinkler system in use: - Drip

14. Other inputs provided: - -----

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:-

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Very Good.

21. Any other relevant observation by the JIT:- So far harvested 15 MT/ 1000 sq. mt Remaining 3 MT is expected. It is highly profitable and needs to be encouraged

Beneficiary No. 3

1. Name and address of Beneficiary whose field visited:- Mr. Prakash Reddy S/o Rama
Reddy Chinnabelakandapally Housr Block

2. Total land available with the beneficiary (ha):- 2.5

3. Crop Cluster under which covered:- Vegetable

4. **Name and variety of crop planted:-** Cowpea & Swetha,
5. **Sources of planting material:-** Private sector from Agro Centre
6. **Number of plants planted/rejuvenated:-** 150000
7. **Date of planting/rejuvenation:-** 02.1.11
8. **Number of plants which survived(also indicate percentage survival):-** 123000
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 65,000
10. **Amount paid and date of payment:-**
11. **Mode of payment:-** Cheque
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
13. **Whether Drip/Sprinkler system in use: -** Drip
14. **Other inputs provided: -** NPK 19:19:19 (WS) 222 kg
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered: -** No
17. **Assistance availed: -** No
18. **Available marketing facility for the crop:-** Ulavar Sandhi Hosur
19. **Other infrastructure available in the vicinity:-** -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Very Good.

21. Any other relevant observation by the JIT:- Crop is under flowering stage, the crop stand is very good.

Beneficiary No. 4

- 1. Name and address of Beneficiary whose field visited:-** Mr. Narayan Reddy
S/o Reddy Chinnabelakandapally Housr Block
- 2. Total land available with the beneficiary (ha):-** 0.15.0
- 3. Crop Cluster under which covered:-** Vegetable
- 4. Name and variety of crop planted:-** Capsicum
- 5. Sources of planting material:-** Agro Service
- 6. Number of plants planted/rejuvenated:-** 5000
- 7. Date of planting/rejuvenation:-** 24.1.11
- 8. Number of plants which survived(also indicate percentage survival):-** 4800
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 3,25,000
- 10. Amount paid and date of payment:-**
- 11. Mode of payment:-** Through RIGS
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
- 13. Whether Drip/Sprinkler system in use: -** Drip
- 14. Other inputs provided: -** -----

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:- Bangalore

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Good.

21. Any other relevant observation by the JIT:- Crop is just planted. Crop establishment is good

Beneficiary No. 5

**1. Name and address of Beneficiary whose field visited:- Mr. Ramesh Reddy S/o Vergata
Rama Reddy Chinnabelakandapally Housr Block**

2. Total land available with the beneficiary (ha):- 1.50

3. Crop Cluster under which covered:- Flower

4. Name and variety of crop planted:-Marigold & East West,

5. Sources of planting material:- Agro Service Hosur

6. Number of plants planted/rejuvenated:- 61500

7. Date of planting/rejuvenation:- 20.11.10

8. Number of plants which survived(also indicate percentage survival):- 60800

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):- 48640

10. Amount paid and date of payment:-

11. Mode of payment:-

12. Source of Irrigation Water (Bore well/Tube well/Canal):- Bore well

13. Whether Drip/Sprinkler system in use: - Drip

14. Other inputs provided: - -----

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:- Hosur Local Market

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Good.

21. Any other relevant observation by the JIT: - Crop was sold for Rs. 2.5 lakh. The stand of the crop was good and observed to be profitable.

Beneficiary No. 6

1. Name and address of Beneficiary whose field visited:- Mr. Krishnaappa S/o Birappa
Chinnabelakandapally Housr Block

2. Total land available with the beneficiary (ha):- 0.40

3. **Crop Cluster under which covered:-** Flower
4. **Name and variety of crop planted:-** Gerbera/venigala, dhoni
5. **Sources of planting material:-** From Pune
6. **Number of plants planted/rejuvenated:-** 6000
7. **Date of planting/rejuvenation:-** 02.1.09
8. **Number of plants which survived(also indicate percentage survival):-** 5900
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 1,25,000
10. **Amount paid and date of payment:-**
11. **Mode of payment:-** Through RIGS
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
13. **Whether Drip/Sprinkler system in use: -** Drip
14. **Other inputs provided: -** -----
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered: -** No
17. **Assistance availed: -** No
18. **Available marketing facility for the crop:-** Akash Flora
19. **Other infrastructure available in the vicinity:-** -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Very Good.

21. Any other relevant observation by the JIT:- The average income per month of this crop is Rs. 35000.
The crop is good but longevity of the polyhouse is questionable.

Beneficiary No. 7

- 1. Name and address of Beneficiary whose field visited:-** Mr. Jayapal Reddy S/o Kenja Reddey
Chinnabelakandapally Housr Block
- 2. Total land available with the beneficiary (ha):-** 1.00
- 3. Crop Cluster under which covered:-** Flower
- 4. Name and variety of crop planted:-** Rose / Desh first Red
- 5. Sources of planting material:-** Swasng Nursery Hosur TVS
- 6. Number of plants planted/rejuvenated:-** 12000
- 7. Date of planting/rejuvenation:-** 02.1.10
- 8. Number of plants which survived(also indicate percentage survival):-** 11348
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 3,25,000
- 10. Amount paid and date of payment:-**
- 11. Mode of payment:-** Through RIGS
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
- 13. Whether Drip/Sprinkler system in use: -** Drip

14. Other inputs provided: - -----

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:- Hosur Akshaya Flower

19. Other infrastructure available in the vicinity:- Pre Cooling Unit

20. General upkeep of the plot: Very good/Good/Average/Poor: - Very Good.

21. Any other relevant observation by the JIT:- The farmer raised 4 colours of Rose. Source of planting material is local.

Beneficiary No. 8

1. Name and address of Beneficiary whose field visited:- Mr. S. Raghu S/o Chinnappa Reddey Krishnagiri
Palayam Thally Block

2. Total land available with the beneficiary (ha):- 0.40 Ha

3. Crop Cluster under which covered:- Fruits T.C. Lab

4. Name and variety of crop planted:- Banana G.a

5. Sources of planting material:- famer's field

6. Number of plants planted/rejuvenated:-

7. Date of planting/rejuvenation:-

8. **Number of plants which survived(also indicate percentage survival):-**
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):**- 4,00,000
10. **Amount paid and date of payment:-**
11. **Mode of payment:-** ECS
12. **Source of Irrigation Water (Bore well/Tube well/Canal):**- Bore well
13. **Whether Drip/Sprinkler system in use:** - Drip with Sprinkler
14. **Other inputs provided:** - -----
15. **Whether assistance availed for Organic Farming:** -
16. **If so, area covered:** - No
17. **Assistance availed:** - No
18. **Available marketing facility for the crop:**- Local other districts
19. **Other infrastructure available in the vicinity:-**
20. **General upkeep of the plot: Very good/Good/Average/Poor:** - Good.
21. **Any other relevant observation by the JIT:** - There is a need to ascertain the quality of T.C Banana being produced and supplied to the famers.

Beneficiary No. 9

1. **Name and address of Beneficiary whose field visited:-** Bagya W/o jayaramareddy Saragapally, Thally Block
2. **Total land available with the beneficiary (ha):-** 1.00 Ha
3. **Crop Cluster under which covered:-** Thally Cluster
4. **Name and variety of crop planted:-** T. C Banana G 9
5. **Sources of planting material:-** Local Nursery
6. **Number of plants planted/rejuvenated:-** 2800
7. **Date of planting/rejuvenation:-** July First week of 2010
8. **Number of plants which survived(also indicate percentage survival):-** 100%
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
10. **Amount paid and date of payment:-**
11. **Mode of payment:-**
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
13. **Whether Drip/Sprinkler system in use: -** Drip
14. **Other inputs provided: -** -----
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered: -** No

17. Assistance availed: - No

18. Available marketing facility for the crop:- Local Fruits Market

19. Other infrastructure available in the vicinity:-

20. General upkeep of the plot: Very good/Good/Average/Poor: - Good.

21. Any other relevant observation by the JIT: - The crop survival is 90% and the crop is in good condition.

Beneficiary No. 10

1. Name and address of Beneficiary whose field visited:- Murali Reddy S/o Musal Reddy Pannapalli

2. Total land available with the beneficiary (ha):- 1.00 Ha

3. Crop Cluster under which covered:-

4. Name and variety of crop planted:- Banana G 9

5. Sources of planting material:- Govt. Approved Nursery

6. Number of plants planted/rejuvenated:- 2260

7. Date of planting/rejuvenation:- 25.12.2010

8. Number of plants which survived(also indicate percentage survival):- 85%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.): - 31188

10. Amount paid and date of payment:-

11. Mode of payment:-

12. Source of Irrigation Water (Bore well/Tube well/Canal):- Canal

13. Whether Drip/Sprinkler system in use: -

14. Other inputs provided: - T.C. banana Plants only

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - 1.00 Ha

17. Assistance availed: - No

18. Available marketing facility for the crop:- Saffal Market, Bangalore

19. Other infrastructure available in the vicinity:-

20. General upkeep of the plot: Very good/Good/Average/Poor: - Good.

21. Any other relevant observation by the JIT: - Crop is Good.

Beneficiary No. 11

1. Name and address of Beneficiary whose field visited:- Venkatasa Nagbal S/o Venkatasamy Atakurukki

2. Total land available with the beneficiary (ha):- 1.00 Ha

3. Crop Cluster under which covered:-

4. Name and variety of crop planted:- Mango Graft (Alponsa)

5. Sources of planting material:- Govt. Approved Nursery

6. Number of plants planted/rejuvenated:- 100

7. Date of planting/rejuvenation:- 06.07.2009

8. Number of plants which survived(also indicate percentage survival):- 100%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.): - 15234

10. Amount paid and date of payment:-

11. Mode of payment:-

12. Source of Irrigation Water (Bore well/Tube well/Canal):- Bore Well

13. Whether Drip/Sprinkler system in use: -

14. Other inputs provided: -	1st year	2nd year
Mango Grafts	100 Nos	25 Nos
Azospirillum	5 kg	4 kg
Phosphobacteria	5 kg	4 kg
Neem Cake	100 kg	50 kg
	19:19:19	12 kg
Corbaiyal	2 kg	
Monocrotophos	500 ml	
T. Viridi	8 kg	
Vermi Compost		100 kg
12:16		5 kg
Cash	4000	950

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - 1.00 Ha

17. Assistance availed: - No

18. Available marketing facility for the crop:- Pulp Unit

- 19. Other infrastructure available in the vicinity:-**
- 20. General upkeep of the plot: Very good/Good/Average/Poor: - Very Good.**
- 21. Any other relevant observation by the JIT: - Crop stand was well maintained.**

Observations for Krishnagiri District:

- 1. Cold chamber provided under NHM in farmers market at Hosur is very useful for keeping the unsold horticulture produce and avoids post harvest losses.**
- 2. Polyhouses created under NHM are being continuously fertilized with inorganic fertilizers which will spoil the soil health in the long run. Farmers need to be educated /trained for testing the soil and supplement with organic manures to replenish the soil health.**
- 3. Polyhouse beneficiaries are unaware of the proper temperature and relative humidity requirements for the polyhouse.**
- 4. There is indiscriminate use of pesticides in the polyhouse cultivation without having any concern about the residual effect.**
- 5. Though the low cost polyhouses are generating reasonably good income to the beneficiary, the longevity of the polyhouse structure is questionable.**
- 6. In view of the beneficiaries' dissatisfaction regarding the quality of planting material and other inputs, there is a need to ensure good quality material.**

Marigold



Normal Poly Green house (Crop: Gerbera)



Hi-Tech Poly Green house (Crop: Rose)



NADP Precision farming (Crop: T.C.Banana)



4. District Dharmapuri

Dharmapuri District, which came into existence from 02.10.1965 is situated in the North Western Corner of Tamil Nadu and is bounded by Triuvannamalai and Villupuram Districts on the east, Salem district on the south, Krishnagiri district on the north and Kaveri River on west. It is located between latitudes N 11 47' and 12 33' and longitudes E 77 02' and 78 40'. The total geographical area of Dharmapuri District is 4497.77 Sq Kms, i.e 3.46% of Tamil Nadu.

Climate & Rainfall

The climate of Dharmapuri District is generally warm. The hottest period of the year is generally from the months of March to May, the highest temperature going up to 38 C in April. The climate becomes cool in December and continuous so up to February, touching a minimum of 17 C in January. On an average the District receives an annual rainfall of 895.56 mm.

Soil

The soil type ranges from black to mixed loam; Red Sandy soils are seen in Harur Taluk. Black and loam soil are found in Dharmapuri Taluk. Generally the soil is low ion Nitrogen and Phosphate content with no marked variation between Talukas

Horticulture Scenario Impact of National Horticulture Mission

Crops	2004-2005		2009-2010	
	Area (Ha)	Production (MT)	Area (Ha)	Production (MT)
Fruits	5921	32818	15478	121086
Vegetables	23449	421103	31976	910905
Spices	3275	7778	7375	28571
Plantation Crops	157	1239	668	2807
Flowers	646	5962	1824	21968
Madicinal	322	4830	568	11221



FARMER'S FIELD VISITED:

Beneficiary No. 1

- | | |
|--|---|
| 1. Name and Address of Beneficiary | : K.Periyasamy |
| whose field visited | S/o,Kanniappan K.N. Soukur, K.Naduhalli |
| 2. Total land available with the beneficiary (ha) | : 0.21.0 Ha. |
| 3. Crop Cluster under which covered | : Capsium |
| 4. Name and variety of Crop planted | : Indira |
| 5. Sources of planting material. | : Private Nursery (Through Department) |
| 6. Number of Plants Planted/rejuvenated. | : 5550 Nos.. |
| 7. Date of Planting/rejuvenation | : 31.08.2010 |
| 8. Number of Plants, which survived | |

- (also indicate percentage survival) : 100%
9. Total amount of subsidy assistance due to the beneficiary as (Rs.) : Rs. 3,25,000 /-
10. Amount paid and date of payment :
11. Mode of payment :
12. Source of irrigation Water (Bore well/Tube Well/Canal) : Bore Well
13. Whether Drip / Sprinkler systems in use. : Drip
14. Other inputs provided :
15. Whether assistance availed for Organic Farming:-
16. If so, area covered. : -
17. Assistance availed : -
18. Available marketing facility for the crop : -
19. Other infrastructure available in the vicinity : -
20. General upkeep of the plot: Very good/Good/Average/Poor : Good
21. Any other relevant observation by the JIT : -

Beneficiary No. 2

1. Name and Address of Beneficiary whose field visited : Periyasamy,S/o, Duraisamy, Thippampatti
2. Total land available with the beneficiary (ha) : 3.00.0
3. Crop Cluster under which covered : 8.00.0
4. Name and variety of Crop planted : Mango, Bangalora
5. Sources of planting material. : Department of Horticulture, Assistant Director Horticulture, Morappur
6. Number of Plants Planted/rejuvenated. : 300 Nos.

7. **Date of Planting/rejuvenation** : 23.12.2010
8. **Number of Plants, which survived**
(also indicate percentage survival) : 300nos (100%)
9. **Total amount of subsidy assistance**
due to the beneficiary as (Rs.) : Rs. 29700.00 /-
10. **Amount paid and date of payment** : Balance Amount pay
11. **Mode of payment** : By Cheque
12. **Source of irrigation Water**
(Bore well/Tube Well/Canal) : Bore well & Well
13. **Whether Drip / Sprinkler systems in use.** : -
14. **Other inputs provided** : Organic 300kg
NeemCake 150kg
Azospirillum 30kg
Phosphobacteria 30kg
Trichoderma viride 30kg
Pseudomonas 30kg
15. **Whether assistance availed for Organic Farming:** -
16. **If so, area covered.** : -
17. **Assistance availed** : Rs.18394.50 /-
18. **Available marketing facility for the crop** : Pulp Industry, Krishnagiri
19. **Other infrastructure available in the vicinity :** -
20. **General upkeep of the plot:Very good/Good/Average/Poor :** Good
21. **Any other relevant observation by the JIT** :

Beneficiary No. 3

1. **Name and Address of Beneficiary** : Dharuman, S/o, Duraisamy, Thippampatti
whose field visited

2. **Total land available with the beneficiary (ha) :** 3.00.0
3. **Crop Cluster under which covered :** 8.00.0
4. **Name and variety of Crop planted :** Mango, Bangalora
5. **Sources of planting material. :** Department of Horticulture,
Assistant Director of Horticulture,
Morappur
6. **Number of Plants Planted/rejuvenated. :** 300 Nos.
7. **Date of Planting/rejuvenation :** 23.12.2010
8. **Number of Plants, which survived (also indicate percentage survival) :** 300nos (100%)
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.) :** Rs.
29700.00 /-
10. **Amount paid and date of payment :** (Balance Amount pay
11. **Mode of payment :** By Cheque)
12. **Source of irrigation Water (Bore well/Tube Well/Canal) :** Bore well & Well
13. **Whether Drip / Sprinkler systems in use. :** -
14. **Other inputs provided :** Organic 300kg
NeemCake 150kg
Azospirillum 30kg
Phosphobacteria 30kg
Trichoderma viride 30kg
Pseudomonas 30kg
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered. :** -
17. **Assistance availed :** Rs.18394.50 /-
18. **Available marketing facility for the crop :** Pulp Industry, Krishnagiri
19. **Other infrastructure available in the vicinity :** -
20. **General upkeep of the plot:**
Very good/Good/Average/Poor : Good
21. **Any other relevant observation by the JIT :**

Beneficiary No. 4

1. **Name and Address of Beneficiary** : Thiruganam, S/o, Sivaprakasam, Thippampatti
whose field visited
2. **Total land available with the beneficiary (ha)** : 3.20.0
3. **Crop Cluster under which covered** : 3.20.0
4. **Name and variety of Crop planted** : Mango
5. **Sources of planting material.** : Department of Horticulture, Assistant Director of Horticulture, Morappur
6. **Number of Plants Planted/rejuvenated.** : 1600 Nos.
7. **Date of Planting/rejuvenation** : 14.01.2011
8. **Number of Plants, which survived**
(also indicate percentage survival) : 1600 (100%)
9. **Total amount of subsidy assistance**
due to the beneficiary as (Rs.) : Rs. 38,400.00 /-
10. **Amount paid and date of payment** : (Balance Amount pay
11. **Mode of payment** : By Cheque)
12. **Source of irrigation Water**
(Bore well/Tube Well/Canal) : Bore well & Well
13. **Whether Drip / Sprinkler systems in use.** : -
14. **Other inputs provided** : Organic 800kg
NeemCake 800kg
Azospirillum 80kg
Phosphobacteria 80kg
Trichodermaviride 64kg
Pseudomonas 64kg
15. **Whether assistance availed for Organic Farming:** -
16. **If so, area covered.** : -

17. Assistance availed : Rs.25,259.05 /-
18. Available marketing facility for the crop : Cadberries Pvt. Ltd.
19. Other infrastructure available in the vicinity : -
20. General upkeep of the plot:
Very good/Good/Average/Poor : Good
21. Any other relevant observation by the JIT :

Beneficiary No. 5

1. Name and Address of Beneficiary : Sekar, S/o, Murugagoundar Vagurappampatti
whose field visite
2. Total land available with the beneficiary (ha) : 3.00.0
3. Crop Cluster under which covered : 3.00.0
4. Name and variety of Crop planted : Mango, Banglora
5. Sources of planting material. : Department of Horticulture, Assistant Director of
Horticulture, Morappur
6. Number of Plants Planted/rejuvenated. : 1200 Nos.
7. Date of Planting/rejuvenation : 14.01.2011
8. Number of Plants, which survived
(also indicate percentage survival) : 1200 (100%)
9. Total amount of subsidy assistance
due to the beneficiary as (Rs.) : Rs. 66,600.00 /-
10. Amount paid and date of payment : (Balance Amount pay
11. Mode of payment : By Cheque)
12. Source of irrigation Water
(Bore well/Tube Well/Canal) : Bore well & Well
13. Whether Drip / Sprinkler systems in use. : -
14. Other inputs provided : Organic 600kg
NeemCake 600kg

Trichoderma viride 15kg

Pseudomonas 15kg

15. Whether assistance availed for Organic Farming: -
16. If so, area covered. : -
17. Assistance availed : Rs.58,255.05 /-
18. Available marketing facility for the crop : Pulp Industry, Krishnagiri
19. Other infrastructure available in the vicinity : -
20. General upkeep of the plot:
- Very good/Good/Average/Poor : Good
21. Any other relevant observation by the JIT :

Beneficiary No. 6

1. Name and Address of Beneficiary : P.Ganapathi, S/o Ponnusamy, Murukampatti
whose field visited
2. Total land available with the beneficiary (ha) : 4.00.0
3. Crop Cluster under which covered : 23.00.0
4. Name and variety of Crop planted : Cocoa
5. Sources of planting material. : Department of Horticulture, Assistant Director of
Horticulture, Morappur
6. Number of Plants Planted/rejuvenated. : 2000 Nos.
7. Date of Planting/rejuvenation : 10.07.2007
8. Number of Plants, which survived
(also indicate percentage survival) : 1960 (98%)
9. Total amount of subsidy assistance
due to the beneficiary as (Rs.) : Rs. 43,863/-
10. Amount paid and date of payment : -
11. Mode of payment : -
12. Source of irrigation Water

(Bore well/Tube Well/Canal) : Bore well & Well

13. Whether Drip / Sprinkler systems in use. : -

14. Other inputs provided :

2007-2008	2008-2009	2009-2010
Organic 1140kg	Organic 600kg	Organic 460kg
Bavistin 2.44kg	NeemCake 200kg	19 : 19 : 19 – 100kg
Azospirillum 80kg	Azospirillum 100kg	
Phosphobacteria 80kg	Phosphobacteria 80kg	
Dimethoate 8.8lit	Cocoa Plants 320kg	

15. Whether assistance availed for Organic Farming: -

16. If so, area covered. : -

17. Assistance availed : Rs. 43,863/-

18. Available marketing facility for the crop : Cadberries Pvt, Ltd,

19. Other infrastructure available in the vicinity : -

20. General upkeep of the plot:

Very good/Good/Average/Poor : Good

21. Any other relevant observation by the JIT :

Beneficiary No. 7

1. Name and Address of Beneficiary : G.Senthilkumar, S/o Ganapathi, Murukampatti

whose field visited

2. Total land available with the beneficiary (ha) : 1.40.0

3. Crop Cluster under which covered : 23.00.0

4. Name and variety of Crop planted : Cocoa

5. Sources of planting material. : Department of Horticulture, Assistant Director of Horticulture, Morappur

6. Number of Plants Planted/rejuvenated. : 700 Nos.

7. Date of Planting/rejuvenation : 10.07.2007

8. Number of Plants, which survived
(also indicate percentage survival) : 679 (97%)

9. Total amount of subsidy assistance
due to the beneficiary as (Rs.) : Rs.17,351.80/-

10. Amount paid and date of payment : -

11. Mode of payment : -

12. Source of irrigation Water
(Bore well/Tube Well/Canal) : Bore well & Well

13. Whether Drip / Sprinkler systems in use. : -

14. Other inputs provided :

2007-2008	2008-2009	2009-2010
Organic 399kg	Organic 210kg	Organic 161kg
Bavistin 0.854kg	NeemCake 70kg	19 : 19 : 19 – 35kg
Azospirillum 28kg	Azospirillum 30kg	
Phosphobacteria 28kg	Phosphobacteria 28kg	
Dimethoate 3.8lit	Cocoa Plants 112kg	

15. Whether assistance availed for Organic Farming: -

16. If so, area covered. : -

17. Assistance availed : Rs.17,351.80/-

18. Available marketing facility for the crop : Cadberries Pvt, Ltd,

19. Other infrastructure available in the vicinity : -

20. General upkeep of the plot:
Very good/Good/Average/Poor : Good

21. Any other relevant observation by the JIT :

Beneficiary No. - 8

Review of status of Project based Activities

Project Category

B. Project Status

Name of Project : Model Nursery (Private)

Year of Implementation : 2005-2006

Project period : 2005-2006

Name of implementing Agency : Deputy Director of Horticulture,
Dharmapuri

Location of Project : Senguttai, Kambainallur, Morappur
Block, Dharmapuri District

Total Project Cost : Rs. 18 Lakhs

Amount Released by DAC : Rs. 9 Lakhs

Expenditure incurred : Rs. 18 Lakhs

Status of Project:

Name of Nursery and crops for which

plants are produced : Mullai Shantha Nursery

Name of crops for which seeds produced: Mango, Aonla, Sapota, Guava, and
Pomegranate

Quantity produced : 1.5 Lakhs

Quantity Sold : 1.5 Lakhs

Rate : Mango - Soft Wood Graft Rs.30-40 /Graft

Approach Graft Rs.85-90 / Graft

Aonla - Rs.20 /Graft

Sapota - Rs.20 / Graft

Guava - Rs.20 /Layer

Amount realize through sale : --

Whether NHM logo displayed : Yes

Beneficiary No. -9

- 1. Name and Address of Beneficiary whose field visited :** Chinnammal, W/o Chithirai @ Annamalai Mariamman Kovilur, Palacode(TK), Dharmapuri(Dt)
- 2. Total land available with the beneficiary (ha) :** 0.70 .0ha
- 3. Crop cluster under which covered :** Mango –Area Expansion
- 4. Name and variety of crop planted :** Mango – Bangalora
- 5. Sources of planting material :** TANHOPE approved Private nursery
- 6. Number of plants planted/Rejuvenated :** 70 plants
- 7. Date of planting/Rejuvenation :** July 2008
- 8. Number of plants which survived :** 65plants (95%)
- 9. Total amount of subsidy assistance due to the Beneficiary as (Rs.):** 664.00
- 10. Amount paid and date of payment :**
I Year2008-09 : Rs.2275.00/
II Year2009-10 : Rs 420.00/07.05.10
- 11. Mode of payment :** Cheque/Demand Draft
- 12. Source of irrigation Water :** Bore well
- 13. Whether Drip/Sprinkler systems in use :** No
- 14. Other Inputs provided :** Organic Manure, Neem cake,
19:19:19,Pseudomonas, T.Viridi
Azospirillum, Phosphobacteria
- 15. Whether assistance availed for Organic Farming:** --
- 16. If so, area covered :** --
- 17. Assistance availed :** ---

18. Available marketing facility for the crop : Yes
19. Other infrastructure available in the vicinity : Mango Pulping Unit situated
20. General upkeep of the plot : Good
21. Any other relevant observation by the JIT : ---

Beneficiary No.

1. Name and address of beneficiary whose field visited: Murugan S/o Selvaraj , Mariamman Kovilur
Palacode(TK), Dharmapuri(Dt)
2. Total land available with the beneficiary (ha) : 1.00 .0ha
3. Crop cluster under which covered : Mango –Area Expansion 2008-09
4. Name and variety of crop planted : Mango – Bangalora
5. Sources of Planting material : TANHOPE approved Private nursery
6. Number of plants planted/Rejuvenated : 100 plants
7. Date of planting/Rejuvenation : July 2008
8. Number of plants which survived : 90plants
9. Total amount of subsidy assistance due to the Beneficiary as (Rs.): Rs.950.00
10. Amount paid and date of payment : I Year2008-09 : Rs.3000.00
II Year2009-10 : Rs.600.00
11. Mode of payment : Cheque/Demand Draft
12. Source of irrigation Water : Bore well
13. Whether Drip/Sprinkler systems in use : No
14. Other Inputs provided : Organic Manure, Neem cake,
19:19:19,Pseudomonas, T.Viridi,
Azospirillum, Phpsphobacteria

15. Whether assistance availed for Organic Farming: --
16. If so, area covered : --
17. Assistance availed : ---
18. Available marketing facility for the crop : Yes
19. Other infrastructure available in the vicinity : Mango Pulping Unit available.
20. General upkeep of the plot : Good
21. Any other relevant observation by the JIT : ---

Beneficiary No.-10

1. Name and Address of Beneficiary whose field visited : Marimuthu I, S/o Mariappan Mariamman
Kovilur, Palacode(TK), Dharmapuri(Dt)
2. Total land available with the beneficiary (ha) : 0.50 .0ha
3. Crop cluster under which covered : Mango –Area Expansion
4. Name and variety of crop planted : Mango – Bangalora
5. Sources of Planting material : TANHOPE approved Private nursery
6. Number of plants planted/Rejuvenated : 50 plants
7. Date of planting/Rejuvenation : July 2008
8. Number of plants which survived : 45 plants
9. Total amount of subsidy assistance due to the Beneficiary as (Rs.): Rs.710.00
10. Amount paid and date of payment : I Year2008-09 : Rs.1500.00
II Year2009-10 : Rs.300 /07.05.10
11. Mode of payment : Cheque/Demand Draft
12. Source of irrigation Water : Bore well
13. Whether Drip/Sprinkler systems in use : No

14. **Other Inputs provided** : Organic Manure, Neem cake,
19:19:19,Pseudomonas, T.Viridi
Azospirillum, Phosphobacteria
15. **Whether assistance availed for Organic Farming:** --
16. **If so, area covered** : --
17. **Assistance availed** : ---
18. **Available marketing facility for the crop** : Yes
19. **Other infrastructure available in the vicinity** : Mango Pulping Unit available.
20. **General upkeep of the plot** : Good
21. **Any other relevant observation by the JIT** : ---

Beneficiary No.-11

1 Name and address of beneficiary whose field visited: Dhavudhin s/o Ayunudhin

Erraseegalahalli Palacode(TK) Dharmapuri(Dt)

2. **Total land available with the beneficiary (ha)** : 2.00 .0ha
3. **Crop cluster under which covered** : Mango –Rejuvenation of old orchard
4. **Name and variety of crop planted** : Mango – Bangalora, Alphonso,
5. **Sources of Planting material** : TANHOPE approved Private nursery
6. **Number of plants planted/Rejuvenated** : 200 plants
7. **Date of planting/Rejuvenation** : October 2007
8. **Number of plants which survived** : 195plants (955)
9. **Total amount of subsidy assistance due to the**
Beneficiary as (Rs.) : ---

10. Amount paid and date of payment : Rs.30000.00
11. Mode of payment : Cheque/Demand draft
12. Source of irrigation Water : Bore well
13. Whether Drip/Sprinkler systems in use : No
14. Other Inputs provided : Organic Manure, Neem cake,
Pseudomonas, T.Viridi,
Azospirillum, Phosphobacteria
15. Whether assistance availed for Organic Farming: --
16. If so, area covered : --
17. Assistance availed : ---
18. Available marketing facility for the crop : Yes
19. Other infrastructure available in the vicinity : Mango Pulping Units are available.
20. General upkeep of the plot : Good
21. Any other relevant observation by the JIT : ---

Beneficiary No. -12

1. Name and Address of Beneficiary : Thiru. Mariappan,
whose field visited S/o, Kaliappan, Madhampatti, Palacode
2. Total land available with the beneficiary (ha) :2.10.0
3. Crop Cluster under which covered : Bamboo
4. Name and variety of Crop planted : Bamboo
5. Sources of planting material. : Government Approved Private Nursery,
6. Number of Plants Planted/rejuvenated. : 630 Nos.
7. Date of Planting/rejuvenation : Last week of September 2009

8. Number of Plants, which survived		
(also indicate percentage survival)	:	600nos (100%) (1.50.0 Ha)
9. Total amount of subsidy assistance		
due to the beneficiary as (Rs.)	:	Rs. 12000.00 /-
10. Amount paid and date of payment	:	Rs. 6000/- (1.50.0 Ha)
11. Mode of payment	:	By Cheque(382362, Dt. 04.12.2010)
12. Source of irrigation Water		
(Bore well/Tube Well/Canal)	:	Open Well
13. Whether Drip / Sprinkler systems in use.	:	Drip System in use
14. Other inputs provided	:	-
15. Whether assistance availed for Organic Farming:	:	-
16. If so, area covered.	:	-
17. Assistance availed	:	-
18. Available marketing facility for the crop	:	-
19. Other infrastructure available in the vicinity	:	-
20. General upkeep of the plot:		
Very good/Good/Average/Poor	:	Good
21. Any other relevant observation by the JIT	:	-

Beneficiary No.-13

Review of status of Project based Activities

Project Category

B. Project Status

Name of Project	:	Model Nursery (Government)
Year of Implementation	:	2006-2007
Project period	:	2006-2007
Name of implementing Agency	:	Deputy Director of Horticulture,

		Dharmapuri
Location of Project	:	KVK, Paparapatti, Pennagaram Block, Dharmapuri District.
Total Project Cost	:	Rs. 18 Lakhs
Amount Released by DAC	:	Rs. 9 Lakhs
Expenditure incurred	:	Rs. 18 Lakhs

Status of Project:

Name of Nursery and crops for which

Plants are produced	:	TNAU, NHM Mango Model Nursery KVK, Paparapatti
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Name of crops for which seeds produced:	Mango
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Quantity produced	:	Under Progress
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Quantity Sold	:	--
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Rate	:	
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Amount realize through sale	:	--
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Whether NHM logo displayed	:	Yes
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Observations for Dharamapuri District:

1. Planting material produced in the nurseries supported under NHM be explored by the Department of Horticulture for area expansion under NHM.
2. Rehabilitation of Tissue Culture laboratories supported by NHM needs to be checked for the quality of material being produced by them.
3. The production of planting material in Nursery at Papparapatti has not been started so far.



5. DISTRICT: SALEM

Introduction

Salem District is one of the potential district in Tamil Nadu which completely land locked. It is bounded on the North by Dharmapuri District, on the South by Namakkal District, on the west by Erode District, on the East by Villupuram District. The Geographical area of the district is 5205.30 Sq. Kilometers. It has 4 Revenue Divisions, 9 taluks and 20 blocks.

Location

11° and 12.55 – Northern latitude

77° 28" and 78° 50" – Eastern longitude

300 M above MSL – Altitude

Agro Climatic Zone

North Western

Irrigation Source

Cauvery – West side of the district

Vellar – East side of the district

Hill Tracts

Shevaroy, Kalrayan, Arunthumalai and Pachamalai

Soil Type

Irugur Soil Series

Rain fall pattern

Winter Season 30.7 mm

Summer Season 179.1 mm

South west monsoon 455.8 mm

North east monsoon 369.1 mm

Total 1034.7 mm

Land Utilization (Unit in Hectares)

Forest	10921.7
Uncultivable lands	38894
Lands put to non-agriculture purposes	59210.78
Cultivable waste	5085.32

Permanent pasture and other grazing lands	4199.01
Land under miscellaneous tree crops	3191.55
Current fallow	53235.99
Other fallow	20468.94
Net area sown	210562.38
TOTAL	520530

Area under Horticulture Crops – 2005-06

Sl. No.	Name of the Crop	Area (in Ha.)	Production (in MT)	Productivity (in MT)
1.	Fruits	4893	97132	19.850
2.	Vegetables	18182	546732	30.070
3.	Spices and Condiments	5431	98924	18.210
4.	Plantation Crops	8643	10999	1.270
5.	Flowers	1637	13587	8.300
6.	Medicinal and Aromatic Plants	422	422	1.000
	Total	39208	767796	

Area under Horticulture Crops – 2009-10

Sl. No.	Name of the Crop	Area (in Ha.)	Production (in MT)	Productivity (in MT)
1.	Fruits	14416	353192	24.5
2.	Vegetables	19925	666491	33.45
3.	Spices and Condiments	9307	188467	20.25
4.	Plantation Crops	9270	13441.5	1.45
5.	Flowers	1987	18081.7	9.1
6.	Medicinal and Aromatic Plants	510	612	1.2
	Total	55415	1240285.2	



SALEM**Block : Salem SMALL NURSERY-PRIVATE SECTOR****Beneficiary****No.-1**

Sl.No	Particulars	Small Nursery-Private sector (2006-07)
1	Name and Address of Beneficiary whose field visited	Tmt.Kirupavathy w/o Krishnan Kondappanayakkanpatty,Salem.
2	Total land available with the beneficiary (ha)	SF.No 105/3 1.20.00 Ha Infrastructure development for planting m
3	Crop Cluster under which covered	production
4	Name and variety of Crop planted	Mango-Alphonoso,Salem Bengalora, Aonla-NA7,Krishna,Kanchan Sapota-PKM-1 Guava-L 49 and ornamentals
5	Sources of planting material	State Horticultural Farms
6	Number of Plants Planted/rejuvenated.	-
7	Date of Planting/rejuvenation	-
8	Number of Plants which survived	-
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs.1,50,000 /-
10	Amount paid and date of payment	Rs.1,50,000 /-
11	Mode of payment	Demand Draft
12	Source of irrigation Water (Bore well/Tube Well/Canal)	Bore well and open well
13	Whether Drip/ Sprinkler system in use	Yes, Sprinkler and drip system
14	Other inputs provided	-
15	Whether assistance availed for Organic Farming	-
16	If so, area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	-
19	Other infrastructure available in the vicinity	

20 General upkeep of the plot: Very good/Good/Average/Poor

21 Any other relevant observation by the JIT.

Block : Salem

AREA EXPANSION COCOA

Beneficiary No:2

Sl.No	Particulars	Area expansion – III year follow up
1	Name and Address of Beneficiary whose field visited	K.C.Parmasivam, S/o Cinnathambi gounder, Kannankurichi, Salem
2	Total land available with the beneficiary (ha)	2.23.50
3	Crop Cluster under which covered	Cocoa cluster Cocoa (forestero)/
4	Name and variety of Crop planted	Ha Cadburys India
5	Sources of planting material	Ltd.

			1000	
6	Number of Plants Planted/rejuvenated.		Nos	
7	Date of Planting/rejuvenation		19.10.2008	
8	Number of Plants which survived		995	
	Total amount of subsidy assistance due to the		22,500	
9	beneficiary as (Rs.)		/-	
10	Amount paid and date of payment (Rs.)		2296 /-	
11	Mode of payment			
12	Source of irrigation Water		Well & Bore well	
	(Bore well/Tube Well/Canal)			
13	Whether Drip/ Sprinkler system in use		Drip irrigation (MI)	
14	Other inputs provided			
			2009-	2010-
	Name of the input	Unit	10	11
	Cocoa seedlings	Nos	200	100
	Azospyrillum	Kgs		
	Phosphobacteria	Kgs		
		0.805081019 Kgs	20	20
	Vermicompost	Kgs		
	Organic manure	Kgs		
	Neem cake	Kgs		200
	Manozeb	Kgs		4
	Manozeb+Cabendazim	Kgs		
	Endosulfan	Lit	2	
	Pottasium Nitrate	Kgs		
	MN mixture	Kgs		
	Triazophos	Lit		
	Carbendazim	Kgs		
			Bye back agreeme	
18	Available marketing facility for the crop		Cadburys	
19	Other infrastructure available in the vicinity			

- 20 General upkeep of the plot: Very good/Good/Average/Poor
- 21 Any other relevant observation by the JIT.

Sl.No	Particulars	Beneficiary No.- 3 Area expansion –Turmeric
1	Name and Address of Beneficiary whose field visited	Ramesh S/o Venkatachalam Kalikovilm pudur
2	Total land available with the beneficiary (ha)	1.50.0
3	Crop Cluster under which covered	Turmeric cluster
4	Name and variety of Crop planted	Turmeric / BSR1
5	Sources of planting material	Neighboring farmer
6	Number of Plants Planted/rejuvenated.	
7	Date of Planting/rejuvenation	
8	Number of Plants which survived	
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	
10	Amount paid and date of payment	
11	Mode of payment	
12	Source of irrigation Water (Bore well/Tube Well/Canal)	Bore well
13	Whether Drip/ Sprinkler system in use	
14	Other inputs provided	Azospyrillum Phospobacteria Pot. Nitrate Neemcake Trichoderma Vermicompost

- MN Mixture
Manco+Carbon
Imidachlorprid
- 15 Whether assistance availed for Organic Farming -
- 16 If so, area covered -
- 17 Assistance availed -
- 18 Available marketing facility for the crop -
- 19 Other infrastructure available in the vicinity
- 20 General upkeep of the plot: Very
good/Good/Average/Poor
- 21 Any other relevant observation by the JIT.

Block:Veerapandy AREA EXPANSION-TC BANANA

Beneficiary No:4
Area Expansion –TC
Banana

Sl.No	Particulars	
1	Name and Address of Beneficiary whose field visited	Thiru.Ganesan S/o.Ramasamy Puttur Agraharam
2	Total land available with the beneficiary (ha)	1.03.0
3	Crop Cluster under which covered	0.50.0 TC Banana
4	Name and variety of Crop planted	TC Banana G-9 TANHOPE(Sunglow
5	Sources of planting material	Biotech)
6	Number of Plants Planted/rejuvenated.	1134 Nos
7	Date of Planting/rejuvenation	24.12.2010
8	Number of Plants which survived	

Total amount of subsidy assistance due to the beneficiary as (Rs.)	15,601/-
10 Amount paid and date of payment	-
11 Mode of payment	-
12 Source of irrigation Water (Bore well/Tube Well/Canal)	Well & Bore well
13 Whether Drip/ Sprinkler system in use	Drip irrigation(MI) TC Banana Plants = 1134
14 Other inputs provided	Nos
15 Whether assistance availed for Organic Farming	-
16 If so, area covered	-
17 Assistance availed	-
18 Available marketing facility for the crop	Salem Market
19 Other infrastructure available in the vicinity	
20 General upkeep of the plot: Very good/Good/Average/Poor	
21 Any other relevant observation by the JIT.	

Block:Veerapandy	MANGO- HIGH DENSITY PLANTING	Beneficiary No:5
Sl.No	Particulars	High Density Mango
	Name and Address of Beneficiary whose field visited	
1	visited	Thiru.Mohan S/o.Ramasamy Rakkypatty
2	Total land available with the beneficiary (ha)	1.10.0
3	Crop Cluster under which covered	1.00.0 Mango
4	Name and variety of Crop planted	Mango, Bangalora
5	Sources of planting material	SHF, Karumandurai
6	Number of Plants Planted/rejuvenated.	400 Nos

7	Date of Planting/rejuvenation	2.12.2010	
8	Number of Plants which survived		
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	24,000/- (I –Year)	
10	Amount paid and date of payment		
11	Mode of payment	Demand Draft	
12	Source of irrigation Water	Well	
	(Bore well/Tube Well/Canal)		
13	Whether Drip/ Sprinkler system in use	-Drip Irrigation	
14	Other inputs provided	Mango Plants	400 Nos
		Azospyrillum	20 kg
		Phosphobacteria	20 kg
		Vermicompost	200 kg
		Organic manure	200 kg
		Neem cake	200 kg
		MN Mixture	2 kg
		Imidachlorpid	1 l kg
	Whether assistance availed for Organic		
15	Farming	-	
16	If so, area covered	-	
17	Assistance availed	-	

- 18 Available marketing facility for the crop Salem Market
- 19 Other infrastructure available in the vicinity
- General upkeep of the plot: Very
- 20 good/Good/Average/Poor
- 21 Any other relevant observation by the JIT.

Block:

Veerapandy

AREA EXPANSION MANGO

Beneficiary

No:6

Area Expansion Mango-II year maintenance

Sl.No

Particulars

1 Name and Address of Beneficiary whose field visited

Thiru.Sakthivel
S/o.Ganesan,
Ettimanickampatty

2 Total land available with the beneficiary (ha)

1.20.0

3 Crop Cluster under which covered

1.00.0 Ha Mango

4 Name and variety of Crop planted

Mango Bangalora

5 Sources of planting material

TANHOPE supply

6 Number of Plants Planted/rejuvenated.

100 Nos

7 Date of Planting/rejuvenation

20.11.2009

8 Number of Plants which survived

Total amount of subsidy assistance due to the

9 beneficiary as (Rs.)

11,250/- (Ist Year) & 4,500/- (IInd y

10 Amount paid and date of payment

Rs. 3012

11 Mode of payment

Demand draft, 013601/25.11.20

**12 Source of irrigation Water
(Bore well/Tube Well/Canal)**

Well

13 Whether Drip/ Sprinkler system in use

-

14 Other inputs provided

Ist- Year

Mango Plants 100 Nos

Azospyrillur 10 kg

Phosphobacteria 10 kg

19:19:19 20 kg

Potassium Nirtrate 15 kg

Neem cake 50 kg

Organic manure 50 kg

Moncrotophos 1 lt

DD Amount Rs. 3012/-

IInd- Year

Mango Plants 25 Nos

Neemcake 100 kg

Potassium Nitrate 10 kg

19:19:19 10 kg

Vermicompost 100 kg

MN mixture 1 kg

Endosulphan 1.5 lt

15 Whether assistance availed for Organic Farming

-

16 If so, area covered

-

17 Assistance availed

-

18 Available marketing facility for the crop

Salem Market

19 Other infrastructure available in the vicinity**General upkeep of the plot: Very****20 good/Good/Average/Poor**

Good

21 Any other relevant observation by the JIT.

Observations for Salem District:

1. Growth of Bamboo under NBM is encouraging and farmers are happy to take up cultivation, wherever, water source is available.
2. In case of TC Banana cultivation, the intercrops like Onion, Tomato and Radish are performing well and it needs to be encouraged.
3. It was observed that Turmeric cultivation in Salem district had no Micro Irrigation. In view of its performance the MI needs to be supported.
4. In Mango area expansion programme, the recommended spacing was not being adopted in some fields.
5. Cluster approach in this district is not being followed. The difficulties need to be sorted out at the district level.
6. The names of the varieties in the NHM supported Model Nursery in this district in the private sector were not properly labeled both in the Sciom bank and in the nursery.

Area Expansion Mango- 2nd Year

Small Nursery, Kondappanaickenpatty, Salem



6. District: ERODE

Location

Erode District lies on the extreme north of Tamil Nadu. It is bounded mostly by Karnataka State and also River Palar covers pretty long distance. To the east lies Namakkal and Karur districts. Tirupur district is its immediate neighbor to the South and on the West, it has Coimbatore and Nilgiri districts, as its boundaries. Thus, Erode district is essentially a land-locked area having no sea coast of its own.

Climate

Erode district has dry weather with maximum and minimum temperature ranging between 40 C and 18 C respectively.

Rainfall

The district in general is characterized with a scanty rainfall. The average rainfall of Erode district is 717 mm. The scanty showers during March to May do not provide any relief to the oppressive heat. There is a light improvement in the climate during June-August period. During this pre-monsoon period, the mercury reverses its trend and by September, the sky gets overcast heavily but the rains are meager. North-East monsoon sets in vigorously only during October-November and December, the rains disappear rendering its climate clear but pleasant.

Land Classification:

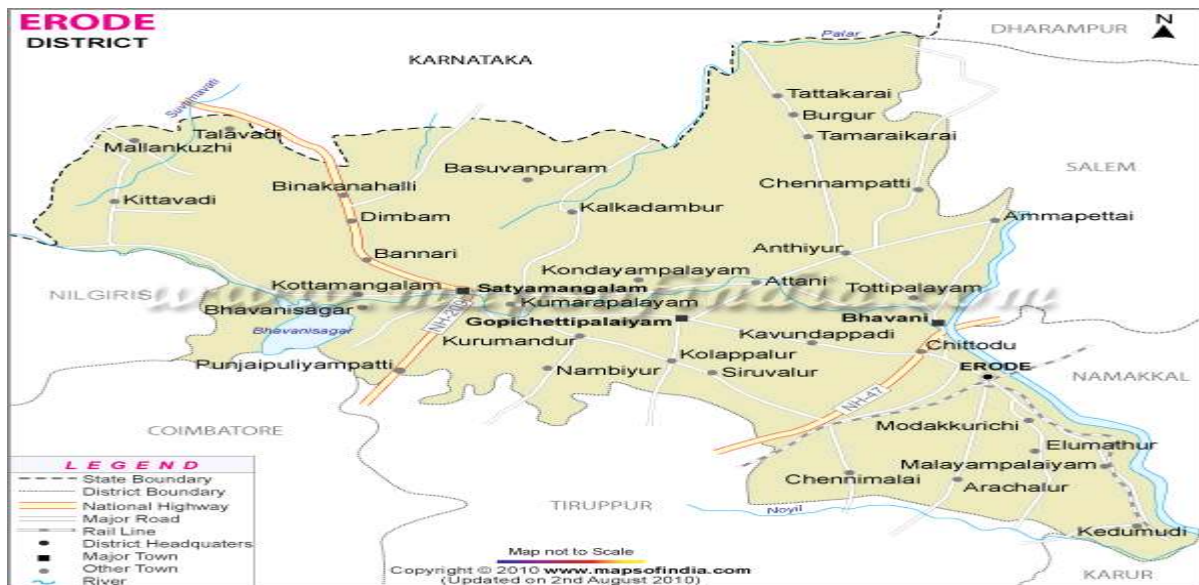
S No.	Details	Area (Ha)
1	Forest	1425.00
2	Uncultivated waste	6269.75
3	Land put to Non-Agricultural use	52961.51
4	Cultivable waste	1707.26
5	Permanent Pasture & Grass land	97.33
6	Miscellaneous Tree Crops	913.22
7	Current fallows	64314.87
8	Other fallow	19056.70
9	Net area cultivated	199388.98
10	Area sown more than once	25397.18
11	Total area cultivated	224786.16
	Total	346134.26
	Reserve forest	226086.00
	Total Geographical area	572220.26

Area, production and productivity of Horticulture Crops- 2009-2010

Erode is an Important district in cultivation and marketing of Turmeric. Turmeric is received not only from Erode district, but also from the other parts of Tamil Nadu and adjoining states for marketing.

Sl. No.	Crops	Area (Ha)	Production (MT)	Productivity MT/ha
FRUITS				
1	Banana	5717	151500	26.50
2	Mango	803	4978	6.20
3	Sapota	86	1505	17.50
4	Amla	298	6109	20.50
	Total	6904	164092	
VEGETABLES				
1	Tapioca	6433	176907	27.50
2	Onion	1562	19993	12.80
3	Brinjal	124	2877	23.20
4	Tomato	253	7387	29.20
5	Bhendi	192	1958	10.20
	Total	8564	209122	
SPICES				
1	Chillies (dry pods)	167	317	1.90
2	Turmeric (cured)	6713	41620	6.20
3	Tamarind	126	264	2.10
	Total	7006	42201	
PLANTAION CROPS				

1	Areca nut	183	174	0.95
2	Cocoa	335	137	0.41
	Total	518	311	
FLOWERS				
1	Rose	6	3	0.54
2	Jasmine	992	6448	6.50
3	Mullai	57	410	7.20
4	Mary gold	160	2000	12.50
5	Tuberose	62	713	11.50
	Total	1277	9574	



FARMER'S FIELD VISITED:

Beneficiary No. 1

- 1. Name and address of Beneficiary whose field visited:-** Mr. E.A. Ramasamy S/o sheshayar, Appakkudal, Bhavani Block
- 2. Total land available with the beneficiary (ha):-** 2.00
- 3. Crop Cluster under which covered:-** Bamboo Clusters
- 4. Name and variety of crop planted:-** Bambosa balcooa (500 plants), Bambosa Valgarin (60 plants) green
- 5. Sources of planting material:-** Grow more Bio-tech Hosur
- 6. Number of plants planted/rejuvenated:-** 560
- 7. Date of planting/rejuvenation:-** 14.8.2009
- 8. Number of plants which survived (also indicate percentage survival):-** 100%
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 11480
- 10. Amount paid and date of payment:-** Rs. 11480, 2.3.2010 & 28.4.2010
- 11. Mode of payment:-** By cheque
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well & Open well
- 13. Whether Drip/Sprinkler system in use: -**
- 14. Other inputs provided: -** -----
- 15. Whether assistance availed for Organic Farming: -**

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:-

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: -

21. Any other relevant observation by the JIT:- crop stand is good and in each pil there were about

Beneficiary No. 2

1. Name and address of Beneficiary whose field visited:- Mrs. Nalini Ramanatha W/o Ramanatha, Appakkudal, Bhavani Block

2. Total land available with the beneficiary (ha):- 2.50

3. Crop Cluster under which covered:- Cocoa Clusters

4. Name and variety of crop planted:- Cocoa Forestrio

5. Sources of planting material:- Tan hope Chennan (through cadburg's India Pvt. ltd

6. Number of plants planted/rejuvenated:-600

7. Date of planting/rejuvenation:- 15.1.2009

8. **Number of plants which survived(also indicate percentage survival):-** 100%
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 16875
10. **Amount paid and date of payment:-**Rs. 15315 by Inputs
11. **Mode of payment:-** Rs. 1560 By cheque
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well& Open well
13. **Whether Drip/Sprinkler system in use: -**
14. **Other inputs provided: -** -----
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered: -** No
17. **Assistance availed: -** No
18. **Available marketing facility for the crop:-**
19. **Other infrastructure available in the vicinity:-** -----
20. **General upkeep of the plot: Very good/Good/Average/Poor: -**
21. **Any other relevant observation by the JIT:-** The maintenance of cocoa cluster has to be improved

Beneficiary No. 3

- 1. Name and address of Beneficiary whose field visited:-** Mr. K.R. Kumar S/o Ramasamy, Goudenudur, Vairanangalam, Bhavani Block
- 2. Total land available with the beneficiary (ha):-** 1.00
- 3. Crop Cluster under which covered:-** Micro irrigation on banana
- 4. Name and variety of crop planted:-** Nendram Banana
- 5. Sources of planting material:-** Purchased from Coimbatore farmer's field
- 6. Number of plants planted/rejuvenated:-**2267
- 7. Date of planting/rejuvenation:-** 29.12.2010- Drip Irrigation
30.12.2010- Installed
- 8. Number of plants which survived(also indicate percentage survival):-** 100%
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 32370 as subsidy amount for Micro Irrigation
- 10. Amount paid and date of payment:-**
- 11. Mode of payment:-** By cheque
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well & Open well
- 13. Whether Drip/Sprinkler system in use:** - Drip Irrigation in use
- 14. Other inputs provided:** - -----
- 15. Whether assistance availed for Organic Farming:** -

- 8. Number of plants which survived(also indicate percentage survival):-** Capsicum (70-80%), Tomato (60-65%) & Coriander (50-60%)
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):**- 3.25 lakh
- 10. Amount paid and date of payment:-** 3.25 lakh 1.12.2009
- 11. Mode of payment:-** By cheque
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-**
- 13. Whether Drip/Sprinkler system in use: -**
- 14. Other inputs provided: -** -----
- 15. Whether assistance availed for Organic Farming: -**
- 16. If so, area covered: -** No
- 17. Assistance availed: -** No
- 18. Available marketing facility for the crop:-**
- 19. Other infrastructure available in the vicinity:-** -----
- 20. General upkeep of the plot: Very good/Good/Average/Poor: -**
- 21. Any other relevant observation by the JIT:-** Farmer is not happy with the green house cultivation. The second crop tomato, the productivity was very low with no profit

Beneficiary No. 5

- 1. Name and address of Beneficiary whose field visited:-** Mr. Vetrivd S/o Ramasamy, Vairanangalam, Bhavani Block
- 2. Total land available with the beneficiary (ha):-** 3.00
- 3. Crop Cluster under which covered:-** Banana
- 4. Name and variety of crop planted:-** Nendran & Kudali
- 5. Sources of planting material:-** Purchased from Bhavani areas and Sothyananglam areas
- 6. Number of plants planted/rejuvenated:-** Nendran (3400) & Kudali (4629)
- 7. Date of planting/rejuvenation:-** Nendran (20.10.2010) & Kudali (5.11.2011)
- 8. Number of plants which survived(also indicate percentage survival):-** Nendran (100%) & Kudali (100%)
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** 50525
- 10. Amount paid and date of payment:-** Inputs: Rs 32463 29.12.2010
- 11. Mode of payment:-** By cheque (Rs. 18162)
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well/open well
- 13. Whether Drip/Sprinkler system in use: -**
- 14. Other inputs provided: -** -----
- 15. Whether assistance availed for Organic Farming: -**

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:-

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: -

21. Any other relevant observation by the JIT:-

Observations for Erode District:

- 1. It is observed that the climate is not conducive for Polyhouse cultivation in this district as it is not encouraging due to poor productivity and less income.**
- 2. Cocoa plantation as intercrop in Coconut plantation is performing well and is profitable.**
- 3. Cluster approach in this district is not being followed. The practical difficulties faced for its implementation need to be sorted out as per NHM guidelines.**
- 4. The drip irrigation system was not properly laid out which leads to water and fertilizer wastage.**

Poly Green House



Micro Irrigation in Banana



Area Expansion of Banana



Poly Green House



7. DISTRICT: COIMBATORE

LOCATION

Coimbatore district, the Manchester of South India, comprises of 5 Taluks with 12 Blocks with an area of 3670 Sq. Kms. It lies between 10°10 – 11°30 in the North Latitude and 76°40 and 77°33' in the East Longitude and is bound on the north by the Nilgiris District, east by Erode district, south by Tiruppur district and west by Palakkad district.

CLIMATE

The climate as a whole in this district is moderate with maximum and minimum temperature ranging between 40°C and 15°C respectively.

RAINFALL

The average rain fall is below 500 mm with exceptional cases of 90 mm to 1200 mm in high range of the district such as Vellingiri and Anaimalai ranges. It is favoured with the rains from both south West monsoon and North East monsoon.

LAND CLASSIFICATION

S. No.	Details	Area (Ha)
1	Geographical Area	472322
2	Forest	6647
3	Barren and uncultivable land	4787
4	Land put to Non-Agricultural use	74551
5	Cultivable Waste	8775
6	Permanent Pastures and other grazing lands	77
7	Miscellaneous Trees	3188
8	Current Fallows	55791
9	Other Fallows	33095
10	Net Area Sown	180185
11	Area sown more than once	7597
12	Total Irrigated area	115533

AREA PRODUCTION AND PRIDUCTIVITY OF HORTICULTURE CROPS

S. No	Corps	Area in Ha	Production (MT/Ha)	Productivity (MT/Ha)
I	Fruits			
1	Mango	2644	15865	6
2	Banana	9617	288506	30
3	Sapota	213	4268	20
4	Amla	440	15404	35
	Total	12915	324042	
II	Vegetable			
1	Tomato	3033	90989	30
2	Brinjal	440	13195	30
3	Tapioca	600	20987	35
4	Beetroot	127	3818	30
5	Onion	958	11493	12
6	Bhendi	346	5183	15
	Total	5503	145665	
III	Spices			
1	Chillies	801	801	1
2	Turmeric	1285	15416	12
3	Tamarind	599	3595	6
4	Curryleaf	1376	2752	2
5	Coriander	358	429	1
	Total	4418	22993	
IV	Plantation Crops			
1	Arecanut	1651	5780	4
2	Cashew	111	311	3
3	Tea	11049	55245	5
	Total	12811	61335	
V	Flowers			
1	Rose	22	199	9
2	Jasmine	158	1577	10
3	Mullai	207	2075	10

4	Jathi Mullai	248	2477	10
5	Marigold	59	1062	18
6	Celosia	30	118	4
	Total	724	7508	
VI	Medicinal Crops			
1	Aloe vera	20	601	30
2	Coleus	5	96	20
3	Thulasi	60	716	12
	Total	85	1413	



Farmer's Field Visited

Beneficiary No. 1

1. Name and address of Beneficiary whose field visited:- Kavikuil Women self help group, Thenampalyam
2. Total land available with the beneficiary (ha):- 0.5
3. Crop Cluster under which covered:- Vermicompost Unit

4. **Name and variety of crop planted:-** Vermicompost
5. **Sources of planting material:-** Private and local
6. **Number of plants planted/rejuvenated:-**
7. **Date of planting/rejuvenation:-** 28.09.2007
8. **Number of plants which survived(also indicate percentage survival):-**
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
10. **Amount paid and date of payment:-** 30000.00, dated 07.03.2008
11. **Mode of payment:-** Cheque
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-**
13. **Whether Drip/Sprinkler system in use: -**
14. **Other inputs provided: -** -----
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered: -** No
17. **Assistance availed: -** No
18. **Available marketing facility for the crop:-**
19. **Other infrastructure available in the vicinity:-** -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Very good

21. Any other relevant observation by the JIT:-

Beneficiary No. 2

- 1. Name and address of Beneficiary whose field visited:- V.Gokulakrishnan S/o Venkatachalu,
Vedapatti**
- 2. Total land available with the beneficiary (ha):- 0.77**
- 3. Crop Cluster under which covered:- Hi - Tech Polygreen House**
- 4. Name and variety of crop planted:- Hybrid Tomoto Sakthiman**
- 5. Sources of planting material:- Private and local**
- 6. Number of plants planted/rejuvenated:- 3000**
- 7. Date of planting/rejuvenation:- 24.03.2008**
- 8. Number of plants which survived(also indicate percentage survival):-**
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
- 10. Amount paid and date of payment:- 325000**
- 11. Mode of payment:- Cheque**
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):- Bore well**
- 13. Whether Drip/Sprinkler system in use: - Drip**

14. Other inputs provided: - -----

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:- Farmer is selling to local market as well as to the Annapoorna group of hotels

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: -

21. Any other relevant observation by the JIT:-

Beneficiary No. 3

1. Name and address of Beneficiary whose field visited:- C.Maruthachalam S/o
Chinnasamy, Uliyampalayam
2. Total land available with the beneficiary (ha):- 1.00
3. Crop Cluster under which covered:- Area Expansion Program
4. Name and variety of crop planted:- T.C.Banana Var. Grand nien
5. Sources of planting material:- TANHOPE, Chennai, (Sun glow bio- tech) Vadavalli, Coimbatore
6. Number of plants planted/rejuvenated:- 2260
7. Date of planting/rejuvenation:- 15.10.2010

- 8. Number of plants which survived(also indicate percentage survival):- 100%**
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.): - 31200**
- 10. Amount paid and date of payment:- 325000**
- 11. Mode of payment:- Cheque**
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):- Bore well**
- 13. Whether Drip/Sprinkler system in use: - Drip**
- 14. Other inputs provided: - Rs. 31200.00 Inputs: 2260 Nos. of T.C. banana**
- 15. Whether assistance availed for Organic Farming: -**
- 16. If so, area covered: - No**
- 17. Assistance availed: - No**
- 18. Available marketing facility for the crop:-**
- 19. Other infrastructure available in the vicinity:- -----**
- 20. General upkeep of the plot: Very good/Good/Average/Poor: - Very good**
- 21. Any other relevant observation by the JIT:-**

Beneficiary No. 4

- 1. Name and address of Beneficiary whose field visited:-** T.M MohanrajS/o Maruthachlam
Theenampalyam Kalikannayakanpalyam
- 2. Total land available with the beneficiary (ha):-** 2.25
- 3. Crop Cluster under which covered:-** Area Expansion Program. Hi Density Banana
- 4. Name and variety of crop planted:-** Nendran
- 5. Sources of planting material:-**Local
|
- 6. Number of plants planted/rejuvenated:-** 6950
- 7. Date of planting/rejuvenation:-** 10.09.2010
- 8. Number of plants which survived(also indicate percentage survival):-** 100%
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
- 10. Amount paid and date of payment:-** Assistance Rs.54000.00 as inputs
- 11. Mode of payment:-**
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-**
- 13. Whether Drip/Sprinkler system in use: -**
- 14. Other inputs provided:**

19:19:19 Kgs.	112.50
Pot. Nitrate	112.50
Azospirillum	13.50
Carbendazim+Mancozeb	13.50
Imdachlorprid	13.50
Pseudomonos	67.50

Trichoderma viridi 45.00
Rs. 22500

Cash Portion for planting materials

15. Whether assistance availed for Organic Farming: -

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:-

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: - Very good

21. Any other relevant observation by the JIT:-

Beneficiary No. 5

1. Name and address of Beneficiary whose field visited:- V.Susil Kumar S/o Venkatachalu,
Vedapatti

2. Total land available with the beneficiary (ha):- 1

3. Crop Cluster under which covered:- Hi - Tech Polygrren House

4. Name and variety of crop planted:- Hybrid Tomoto Sakthiman

5. Sources of planting material:- Private and local
|

6. Number of plants planted/rejuvenated:- 3000

7. **Date of planting/rejuvenation:-** 14.05.2009
8. **Number of plants which survived(also indicate percentage survival):-**
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
10. **Amount paid and date of payment:-** 325000
11. **Mode of payment:-** Cheque
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
13. **Whether Drip/Sprinkler system in use: -** Drip
14. **Other inputs provided:**
15. **Whether assistance availed for Organic Farming: -**
16. **If so, area covered: -** No
17. **Assistance availed: -** No
18. **Available marketing facility for the crop:-** Farmer is selling to local market as well as to the Annapoorna group of hotels
19. **Other infrastructure available in the vicinity:-** -----
20. **General upkeep of the plot: Very good/Good/Average/Poor: -**
21. **Any other relevant observation by the JIT:-**

Beneficiary No. 6

- 1. Name and address of Beneficiary whose field visited:-** Venkatachalam Vedapatti
- 2. Total land available with the beneficiary (ha):-** 0.75
- 3. Crop Cluster under which covered:-** Hi - Tech Polygrren House
- 4. Name and variety of crop planted:-** Hybrid Tomoto Sakthiman
- 5. Sources of planting material:-** Private and local
|
- 6. Number of plants planted/rejuvenated:-** 3000
- 7. Date of planting/rejuvenation:-** 24.05.2009
- 8. Number of plants which survived(also indicate percentage survival):-**
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
- 10. Amount paid and date of payment:-** 325000
- 11. Mode of payment:-** Cheque
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):-** Bore well
- 13. Whether Drip/Sprinkler system in use: -** Drip
- 14. Other inputs provided:**
- 15. Whether assistance availed for Organic Farming: -**

16. If so, area covered: - No

17. Assistance availed: - No

18. Available marketing facility for the crop:- Farmer is selling to local market as well as to the Annapoorna group of hotels

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot: Very good/Good/Average/Poor: -

21. Any other relevant observation by the JIT:-

TNAU – NHM Mango Modal Nursery

1. Name of the Nursery : TNAU – NHM Mango Model Nursery
KVK, Papparapatty
2. Constitution : SAU – Tamil Nadu Agriculture
University, Coimbatore,
3. Year of establishment : 2008
4. Location of the nursery :
 - a. State : Tamil Nadu
 - b. District : Dharmapuri
 - c. Town or village : Papparapatty
 - d. Nearest railway Station : Dharmapuri
 - e. Land survert : 396

5. Total area of the nursery including Mother plants, with survey number:

A. Details of Mother plants

A1. Own mother plants

Area in ha.	Crop / Variety	No. of plants	Source of planting material	Age of plants		Performance record	
				Year	Month	Yes	No
0.6	Mango – Alphonso	1500	Regional Research Station, TNAU, Paiyur, Krishngiri dt.	2	-	-	✓
0.1	Mango – Bangalora	250	Agricultural Research Station, TNAU, Bhavani Sagar, Erode dt.	-	3	-	✓
0.1	Mango – Bangalora	250	Agricultural Research Station, TNAU, Bhavani Sagar, Erode dt.	-	3	-	✓
0.1	Mango – Baneshan	250	Agricultural Research Station, TNAU, Bhavani Sagar, Erode dt.	-	3	-	✓
0.05	Mango – Potlama	100	Agricultural Research Station, TNAU, Bhavani Sagar, Erode dt.	-	3	-	✓
0.03	Mango – Swernarekha	50	Agricultural Research Station, TNAU, Bhavani Sagar, Erode dt.	-	3	-	✓

A2. Mother Plants taken from other source

S. No.	Crop / Variety	Source of scion	Address	If source is recognized by NHB, Please give detail there of	Performance record	
					Yes	No
-	-	-	-	-	-	-

B. Details of Mother plants of root stock

Area in ha	Crop / Variety of rootstock	Source of mother plants	No. of plants	Age	Performance record	
					Yes	No
-	-	-	-	-	-	-

- If root stock plants are not his own, please give particulars of the source from which they will be obtained.

S. No.	Variety	Source of stock	Address	No. of plants	Performance record	
					Yes	No
1.	Mango – Bangalora	Sri Krishna Nursery	Garden Santhur Post Pochampalli Tk. Krishnagiri Dt. 635206	20000	-	✓
2.	Mango – kader	Sri Krishna Nursery	Santhur Post Pochampalli Tk. Krishnagiri Dt. 635206	10000	-	✓

Model Nursery

1. Name of the project : NHM – Model Nursery
2. Year of implementation : 2008
3. Project period : Two year (2008-2010).
4. Name of implementing Agency : National Horticulture Mission
5. Location of project : Department of Fruit Crops,
Horticultural College & Research Institute,
Tamil Nadu Agricultural University,
Coimbatore – 641 003.
6. Total project cost : 16.00 lakhs
7. Amount released by DAC : 16.00 lakhs released by in the year of 2008
8. Expenditure incurred:

Year	Expenditure Amount in Rs.
2008-09	11,077,11.00
2009-10	4,77,021.00
Total	15,84,732.00

9. Status of Project:

S. No.	Crops	Plant produced in numbers	Rate per plant in Rs.	Total cost in Rs.
1.	Mango	3483	25.00	87,075.00
2.	Sapota	7368	30.00	2,21,040,.00
3.	Amla	4821	25.00	1,20,525.00
4.	Tissue Culture Banana	2961	12.00	35,532.00
Total				4,64,172.00

10. Whether NHM logo displayed : **Yes.**

11. Available balance Amount : Rs. 15268.00

General Information

1. Name of the State : Tamil Nadu, Coimbatore.
2. Plantation Programme undertaken in the Coimbatore District.

Area in Ha
Rs. in Lakhs

S. No.	Year	Target		Achievement	
		Physical (Ha)	Financial (Rs. In Lakhs)	Physical (Ha)	Financial (Rs. In Lakhs)
1.	2005-06	10375	249.424	5545	104.709
2.	2006-07	10723	113.320	10613	109.154
3.	2007-08	116268	667.430	48091	216.838
4.	2008-09	64208	455.002	31322	524.222
5.	2009-10	113079	877.768	54846	708.583
6.	2010-11	31891	441.113	7394	346.266

Note : Pending Expenditure of 2005-06 & 2006-07 id included in the Year 2007-08

3. Rejuvenation Programme undertaken in the Coimbatore District.

Area in Ha
Rs. in Lakhs

Crop – Mango / Amla

S. No.	Year	Crops	Target		Achievement	
			Physical (Ha)	Financial (Rs. In Lakhs)	Physical (Ha)	Financial (Rs. In Lakhs)
1.	2005-06	Mango	75	11.250	75	7.125
2.	2006-07	Mango	-	-	-	-
3.	2007-08	Mango	50	7.500	50	
4.	2008-09	Amla	25	3.750	25	3.700
5.	2009-10	Mango	20	3.000	20	2.999
6.	2010-11	Mango	30	4.500	30	4.000

Observations for Coimbatore District:

1. Lot of variation in plants growth was seen in G-9 TC Banana plants in farmer's fields.
2. The intercrops of Onion, Chilies, Turmeric and Water Melon in Banana crop were highly remunerative.
3. In case of Vermi Compost unit the production is satisfactory. 30% of production being used by the beneficiary but for remaining 70% there is a problem in marketing.
4. Mulching with white colour polythene sheet for Banana was found to be advantageous with respect to better growth, precocity, weed control, less incidence of pests and diseases and 30% more yield as informed by the beneficiary.
5. In case of polyhouse, the performance of tomato crop was not encouraging due to high temperature.
6. In Model Nursery at TNAU supported under NHM only 15000 plants were produced in a year. This need to be increased as per NHM mandate.
7. Bio-control of Mealy Bug through parasitoids taken up by TNAU is very encouraging. It needs to be extended to other Mealy Bug infested areas in the State also.
8. The production capacity of TC Banana in the TC laboratory of TNAU need to be increased as there is lot of demand by the beneficiaries.
9. The NHM logo was not displayed in most of the places.

T.C.Banana field : C. Maruthachalam ,S/o Chinnasamy, HI - DENSITY BANANA
Uliyampalayam



Vermi-compost Unit



After completing field visit to different districts a meeting was held under the chairmanship of MD, TANHODA at Chennai on 4.2.2011. The minutes of the meeting are given below.

8. MINUTES OF THE WRAPUP MEETING WITH THE JOINT INSPECTION TEAM HELD ON 4.2.2011 AT CHENNAI – 5

Dr. Chandra Mohan. B. I.A.S., welcomed the Chairman and the members of Joint Inspection Team (List of Members enclosed) and initiated the discussions on the outcome of JIT team visit to the NHM districts.

The JIT Chairman and members briefed about their field inspection on the following aspects.

Planting Material Production in the Model Nurseries of TNAU

Tamil Nadu Agricultural University (TNAU) has established two numbers of model nurseries at TNAU campus Coimbatore and KVK, Paparapatti with the NHM assistance. The planting material production is yet to be commenced at KVK, Paparapatti even though all needed infrastructures and mother plants developed well as per norms. The model nursery at Coimbatore has produced around 17000 grafts only whereas the NHM fixes 4 lakhs grafts as a norm. The Commissioner of Horticulture briefed that the TNAU has to improve their production level without any dependence on department intends since the department is self sufficient in planting material production through the 54 State Horticultural Farms (SHF)

Supply of quality planting materials and inputs

The Commissioner of Horticulture briefed that a team of TNAU scientists visit the nurseries and approve the technical bids as per the tender procedures. The department also ensures quality supply of planting materials as per the prescribed norms. He also mentioned that quality tests are to be made at all receiving ends and it is mandatory for settlement of bills. Besides this the Joint Director level officers from this directorate are taking up frequent inspections for ensuring quality inputs supply.

Cluster Approach

The JIT members suggested cluster approach in area expansion of perennial crops like Mango in all districts as it is being followed in districts like Dharmapuri and Krishnagiri.

Poly House Cultivation

The Chairman, JIT expressed that the poly house activities at Hosur belt was satisfactory and the small farmers were happy with the implementation of NHM. Anyhow the suitability of poly house cultivation in Salem, Erode and adjoining districts is in question.

Training needs

The Commissioner of Horticulture stressed the importance of training the Poly house farmers in the aspects of fustigation schedules, pest monitoring and adoption of IPM methodologies. He also mentioned the importance of training needs on Micro Irrigation. He emphasized the immediate need of a nominated agency with well defined training modules to meet out the training requirements.

Expansion of NHM to viable districts

The Commissioner of Horticulture said that the districts like Namakkal, Tuticorin, Thiruvallur, Kancheepuram and Virudhunagar which are having very good potential for the development of Horticulture crops are also to be brought under NHM coverage. This requirement has been expressed in several forums and a detailed proposal already sent to the Government of India for approval.

Vegetable cultivation

Inclusion of vegetable crops under NHM and its production enhancing components like “Precision Farming” has also to be a part of NHM to meet out the vegetable requirements and for price stabilisation. The crops like Acidlime, Papaya, Grapes and Pineapple which are having good potentials also to be included in the programme.

Export of Horticulture produce

The Commissioner of Horticulture also stressed the need for export market access mechanism for facilitating and making a breakthrough in this field.

The Commissioner of Horticulture mentioned that the Poly House Cultivation, Precision Farming, Micro Irrigation, Hi-density Planting components are well taken up by the farmers and the NHM strongly intervened and achieved a notable presence among the farming community.

**LIST OF OFFICERS WHO HAD ATTENDED WRAPUP MEETING
OF THE JOINT INSPECTION TEAM ON 04.02.2011**

1.	<p>Dr. Chandra Mohan, B., I.A.S., Managing Director, TANHODA Commissioner of Horticulture & Plantation Crops, Chennai – 5.</p>
2.	<p>Dr. H.V.L. Bathla Chief Consultant NHM Ministry of Agriculture & Cooperation Department of Agriculture & Cooperation (National Horticulture Mission) New Delhi.</p>
3.	<p>Dr. M.Tamil Selvan Director. Directorate of arecanut and spices Development Calicut -5 Kerala.</p>
4	<p>Dr. S. SANTHANA BOSU Dean (Agricultural Engineering) Agricultural Engineering Collage & Research Institute, Tamil Nadu agricultural University, COIMBATORE – 641 003. Phone- 099939 21737</p>
5	<p>Dr. M. SELVARAJAN. Professor and Head, Department of fruit crops. Horticultural Collage & research Institute ,</p>

	TNAU, Periyakulam – 626 504. Theni District Phone- 090030 27732.
6	Thiru. P. Subbaian Additional Director of Horticulture, Chennai 600 005. Cell- 093801 23251

9. General Recommendations:

- 1. Procurement of planting material and its distribution to the beneficiaries should be planned well in advance and its timely distribution should be ensured.**
- 2. The possibility of procuring quality planting material from the NHM supported nurseries in private and public sector should be explored.**
- 3. The Model nurseries should display proper tags indicating the name of varieties, date of grafting etc. to ensure the quality.**
- 4. Due to continuous use of inorganic fertilizers under polyhouse cultivation, periodic monitoring of soil pH and EC (electric conductivity) is necessary to ensure the health of the soil.**
- 5. The production of planting material at KVK, Papparapatti, Dharmapuri supported by NHM should be started immediately.**
- 6. The production of planting material at TNAU, Model Nursery has to be increased as per NHM norms.**
- 7. The Bio-control of Mealy bug through parasitoids needs to be extended in other infested areas also.**
- 8. The NHM logo should be displayed uniformly for all the activities.**
- 9. The production of TC Banana in TC laboratory at TNAU needs to be increased.**
- 10. The NHM area expansion programmes need to be extended to other potential districts of the State.**
- 11. The crops namely Papaya, Grapes, Acid lime, and Pineapple have lot of potential in the State and need to be included in NHM.**
- 12. Area expansion for potential vegetable crops needs to be considered under NHM.**
- 13. The protected cultivation is to be encouraged only in areas where climate is conducive and marketing is available.**
- 14. Institutional mechanism to promote export of horticulture produce need to be explored.**
- 15. Facilities for training of farmers and officials in Micro irrigation and protected cultivation are necessary.**
- 16. High density planting in fruit crops with fertigation should be encouraged.**
- 17. Bamboo cultivation should be encouraged, wherever, water resources are available.**