

**CHAPTER - IV**  
**DEPARTMENT OF HORTICULTURE AND**  
**PLANTATION CROPS**

Tamil Nadu has 7 agro climatic zones with good soil conditions to grow Medicinal and Aromatic plants, Spices, Fruits, Vegetables and other Horticultural crops. Tamil Nadu is the largest producer of flowers in the country.

Every year about 10.06 lakh ha. is covered under various horticultural crops. The total production of horticultural crops is 175.77 lakh MT.

There is a greater awareness about the nutrition value of fruits and vegetables and hence the consumption of fruits, vegetables and other horticulture crops has increased. With the implementation of high technologies in cultivation, the production and productivity has been increasing annually bringing in higher income to the farmers and hence attracting the farmers to grow these crops.

**Policy Focus for 2010-11**

- i. Promotion of Hi-tech Horticulture including Micro-Irrigation and Fertigation
- ii. Thrust on Integrated Pest Management & Integrated Nutrient Management
- iii. High density plantation, Canopy management
- iv. Strengthening the production of Pedigree Planting materials.
- v. Rejuvenation of old orchards of Mango and Cashew
- vi. Effective Transfer of Technologies by exposure visit cum training to farmers.
- vii. Human Resources Development through effective training for extension officers.
- viii. Post Harvest Management and reduction of post harvest losses.

**Status of Horticultural crops in Tamil Nadu**

(Area: Lakh Ha., Production: Lakh MT.,  
Productivity: MT/Ha.)

Crops	2008-09			2009-10 (Provisional)			2010-11 (Estimated)		
	Area	Prod	Pvty.	Area	Prod	Pvty.	Area	Prod	Pvty.
Fruits	3.05	73.88	24.22	3.32	80.53	24.26	3.62	87.78	24.27
Vegetables	2.60	83.32	32.05	2.83	90.82	32.09	3.08	98.99	32.14
Spices & Condiments	1.53	8.05	5.29	1.67	8.77	5.30	1.82	9.56	5.31
Plantation Crops	2.52	8.07	3.48	2.75	8.80	3.20	3.25	10.71	3.57
Flowers	0.27	2.28	8.44	0.29	2.49	8.59	0.32	2.71	8.60
Medicinal & Aromatic Plant	0.09	0.17	2.01	0.10	0.18	2.02	0.11	0.20	2.02
<b>Total</b>	<b>10.06</b>	<b>175.77</b>		<b>10.96</b>	<b>191.59</b>		<b>11.95</b>	<b>205.95</b>	

**State Plan Schemes**

**Integrated Horticulture Development Scheme**

This scheme is being implemented in all the 31 districts excluding Chennai. Under this scheme elite planting materials, high yielding / hybrid vegetable seeds, and flower seeds are being distributed to farmers at 50% subsidized cost. During 2009-10, this scheme was implemented with an outlay of Rs.266.73 lakhs. During 2010-11 this scheme is proposed to be implemented with an outlay of Rs.385 lakhs.

**Horticulture Training Centres.**

In all the four training centres functioning under the control of this Department at Kudumianmalai in Pudukottai district, Madhavaram in Thiruvallur district, Thali in Krishnagiri district and in the Horticulture Training Centre, Ooty in The Nilgiris, trainings being imparted to the

farmers, besides field level functionaries. During 2009-10, Training was given to field level functionaries / Farmers with an outlay of Rs.8.00 lakhs. During 2010-11 it is planned to train 6500 farmers and field level functionaries with an outlay of Rs.8.00 lakhs.

#### **Integrated Tribal Development Programme.**

Under this scheme, elite planting materials of Mango, Spices like pepper and horticulture crops like Coffee are being distributed to the tribal farmers at 75% subsidy and vegetable seeds are being distributed to the tribal farmers at 90% subsidized cost in Salem, Namakkal, Dharmapuri, Tiruvannamalai, Vellore, Trichy and Villupuram districts. Training with exposure visits are being organized in order to educate the tribal farmers on improved technologies. Oil engines and plant protection equipments at 75% subsidy and installation of drip irrigation system at 90% subsidy are provided to the tribal farmers. During 2009-10, this scheme was implemented with an outlay of Rs. 40.00 lakhs. During, 2010-11 it has been proposed to implement this scheme with an outlay of Rs. 50.00 lakhs.

#### **Western Ghats Development Programme.**

This scheme is implemented in the districts of Coimbatore, Erode, Dindigul, Madurai, Virudhunagar, Tirunelveli and Kanyakumari. Improvement of Infrastructural facilities for the Horticulture Farms in the districts has been taken up. During 2009-10, this scheme was implemented with an outlay of Rs.41.92 lakhs. During, 2010-11 it has been proposed to implement this scheme with an outlay of Rs 60.00 lakhs.

#### **Hill Area Development Programme.**

Under this scheme, high yielding / hybrid vegetable seeds, oil engines, and agricultural implements like

sprayers, packing materials for fruits, vegetables and flowers etc. are distributed to the small and marginal farmers of The Nilgiris district at 25% subsidy. During 2009-10, this scheme was implemented with an outlay of Rs 134.83 lakhs. During, 2010-11 it has been proposed to implement this scheme at 50% subsidy with an outlay of Rs.300.00 lakhs.

#### **City Vegetable Development Scheme.**

Under this scheme planting materials, seeds, fertilizers and plant protection chemicals are distributed to Chennai city dwellers at full cost, besides providing technical know-how to them. During 2009-10, this scheme was implemented with an outlay of Rs.7.00 lakhs. During, 2010-11 it has been proposed to implement this scheme with an outlay of Rs.7.50 lakhs.

#### **National Agriculture Development Programme - Precision Farming**

Precision Farming is being successfully implemented from the year 2008. It has been seen that there is 30 to 50% increase in yield, high quality of produce, uniformity in growth and extended harvest. This scheme has received a good response from the farmers.

The total cost per hectare is Rs.1.30 lakhs (Installation of drip Rs.80000, Crop Cultivation Cost is Rs.50000). This scheme is implemented with 50% subsidy. During 2009-10, this scheme was implemented with an outlay of Rs1887.68 lakh to cover 6940ha. During, 2010-11 it has been proposed to implement this scheme with an outlay of Rs.2737 lakhs to cover 8500 Ha.

#### **National Agriculture insurance Scheme.**

National Agriculture Insurance Scheme provides insurance coverage to notified horticultural crops Viz Banana, Onion, Potato, Tapioca, Pineapple and Ginger.

The major feature of the scheme is to provide insurance coverage and financial support to farmers in the event of natural calamities, pest and diseases adversely affecting the notified horticultural crops and to help farmers stabilize farm income especially during disaster years.

Initially the loanee farmers alone were benefited and Tamil Nadu Government has extended this scheme to non-loanee farmers also by providing 50% premium subsidy. During 2009-10, this scheme is being implemented with an outlay of Rs.950 lakh to cover 24008 acres. During, 2010-11 it has been proposed to implement this scheme with an outlay of Rs. Rs.950 lakh to cover 24008acres.

#### **Weather Based Crop Insurance Scheme (WBCIS)**

The objective is to mitigate the hardship of the farmers caused by financial loss on account of crop loss resulting from incidence of adverse weather conditions especially deficit and excess rainfall. This is implemented on a pilot basis in selected districts of Tamil Nadu. For loanee farmers there will be no National Agriculture Insurance Scheme in the districts where WBCIS is implemented. The non loanee farmers can either opt for National Agriculture Insurance Scheme or WBCIS. During 2009-10, this scheme is being implemented with an outlay of Rs.50 lakh to cover 4132 acres. During, 2010-11 it has been proposed to implement this scheme with an outlay of Rs.50 lakh to cover 4132 acres.

#### **Targets and Achievements.**

The financial allocation for the year 2009 - 2010 and the expenditure incurred and the proposed outlay for the year 2010-11 for the State Plan Schemes are furnished below.

### **State Plan Schemes**

#### **Financial : Rs.in lakhs**

Name of the Scheme	Unit	2009-10				2010-11 (proposed)	
		Physical		Financial		Phy.	Fin.
		Tar.	Achmt.	Tar.	Achmt.	Tar.	Tar.
Integrated Horticulture Development Scheme Area Expansion	Ha.	20230	20230	266.73	266.73	25000	385.0
Horticulture Training Centre	Nos.	6501	3357	8	4.55	6500	8.0
Integrated Tribal Development Programme	Ha.	907.97	904	40	40	1000	50.0
Western Ghat Development Programme	Ha.	85	85	41.92	41.92	85	60.0
Hill Area Development Programme	Ha.	1935.9	1935.90	134.83	134.83	2000	300.0
National Agriculture Development Programme	Ha.	6940	3292	1887.68	687.35	8500	2737.0
Part II Schemes	Nos.	-	-	100	100	-	112.5
City Vegetable Development Scheme	Ha.	200	200	7	7	300	7.50.0
National Agricultural Insurance Scheme	Acre	24008	47156	950	452.25	24008	950.0
Weather Based Crop Insurance Scheme	Acre	4132	4145	50	43.28	4132	50.0
<b>Total</b>				<b>3486.16</b>	<b>1777.91</b>		<b>4660.0</b>