

2.13 31613 VEGETABLE CROPS PRODUCTION TECHNOLOGY

UNIT-1 THEORY

- 1.1 Scope and importance of vegetable cultivation- area and production in Tamilnadu- systems of vegetable cultivation- kitchen garden- truck garden and market garden- gardening for processing.
- 1.2 Climate- soil requirement- varieties / hybrids- seed rate- nursery practices- protray nursery- transplanting- manuring- irrigation- fertigation.
- 1.3 Weeding- chemical- mechanical weed control- use of growth regulators- special horticultural practices (training, staking, pruning)- physiological disorders, nutrient deficiency and their corrective measures
- 1.4 Maturity indices- harvesting- grading, sorting- packing and storage and yield.
- 1.5 Tomato, Brinjal, Chillies, Bhendi, Onion, Gourds- bitter gourds- Ridge gourds- Snake gourds- pumpkin
- 1.6 Water melon- Musk melon- Ash gourd- Tapioca- Yams- Colocasia- Cabbage- Cauliflower, Radish- Carrot Beet root, Amaranthus
- 1.7 Moringa- Potato- Cluster beans- Lab lab- Peas and Beans.

UNIT-2 PRACTICAL

- 2.1 Identification and description of vegetable varieties- preparation of nursery bed, protray nursery and transplanting
- 2.2 Preparation of main field- ridges and furrows- formation of beds, methods of manuring- irrigation systems- flood irrigation, furrow irrigation and fertigation- practices in hand and chemical weeding
- 2.3 Maturity indices- harvesting- grading, sorting- packing and cold storage
- 2.4 Working out cost of cultivation- visit to storage units, poly house units and net houses.

References Book:

1. Veeraraghavathatham, D M. Jawaharlal and Seemanthini Ramadhas 2004. A Guide on Vegetable Culture. Suri Associate, Coimbatore.