

AMH03 TROPICAL AND SUBTROPICAL VEGETABLE CROPS

UNIT-1 THEORY

- 1.1 Area, production, economic importance and export potential of tropical and subtropical vegetable crops.
- 1.2 Description of varieties and hybrid, climate and soil requirements, seed rate,
- 1.3 Preparation of field, nursery practices; transplanting of vegetable crops and planting for directly sown/transplanted vegetable crops.
- 1.4 Spacing, planting systems, water and weed management;
- 1.5 Nutrient management and deficiencies, use of chemicals and growth regulators.
- 1.6 Cropping systems, harvest, yield. Economic of cultivation of tropical and sub-tropical vegetable crops; post-harvest handling and storage.
- 1.7 Marketing of tomato, brinjal, chillies, capsicum, okra, amaranthus, cluster beans, cowpea, lab-lab, snap bean, cucurbits, moringa, curry leaf, portulaca, basella, sorrel and roselle.

UNIT-2 PRACTICAL

- 2.1 Identification and description of tropical and sub-tropical vegetable crops;
- 2.2 Nursery practices and transplanting, preparation of field and sowing/planting for direct sown and planted vegetable crops.
- 2.3 Herbicide use in vegetable culture; top dressing of fertilizers and intercultural;
- 2.4 Use of growth regulators; identification of nutrient deficiencies.
- 2.5 Physiological disorder.
- 2.6 Harvest indices and maturity standards, post-harvest handling and storage, marketing, seed extraction (cost of cultivation for tropical and sub-tropical vegetable crops),
- 2.7 Project preparation for commercial cultivation. Field visit to commercial farms.

Reference Books:

1. S. Thamburaj, 2014. Text book of vegetable, tuber crops and Spices. ICAR, New Delhi
2. B.R.Choudhary, 2009. A Text book on production technology of vegetables. Kalyani Publishers. Ludhiana.
3. T.K.Bose, 2002. Vegetable Crops. Nayaprakash. Kolkata
4. P.Hazra, 2011. Modern Technology in Vegetable Production. New India Publishing Agency. New Delhi.