

2.18 31618 PESTS OF HORTICULTURAL CROPS AND THEIR MANAGEMENT

UNIT-1 THEORY

- 1.1 Pest- categories- causes for pest for outbreak.
- 1.2 Pest management - principles and components.
- 1.3 Natural enemies in pest suppression.
- 1.4 IPM- Management strategies for important insect pests groups- chewing insects- stem borers- fruit borer- sap feeders of important fruit, vegetable, spices, medicinal and plantation crops
- 1.5 Special pest management strategies in ware house, green house, poly house.
- 1.6 Management techniques for plant parasitic nematodes.

UNIT-2 PRACTICAL

- 2.1 Study of a typical insect pest- characters- adaptations
- 2.2 Life history and immature stages of Insects.
- 2.3 Differentiation of harmful pests, their natural enemies and pollinators.
- 2.4 Collection and preservation of insect pests.
- 2.5 Identification of symptoms of attack, nature of damage injurious life stages and management of important pests of important fruit crops, vegetable crops, flower crops, plantation crops, spices, medicinal plants and lawn occurring in field and storage.
- 2.6 Non insect pests- study of important rodents, mites and plant parasitic nematodes of horticultural crops.
- 2.7 Sample collection and extraction methodologies for plant parasitic nematodes.

References Book:

1. Ragupathy.A., S.Palanichamy, N.Chandramohan and K.Gunathilagaraj 2003. A Guide on Crop Pests, M/S.Sheeba Printer, Coimbatore.276 p.

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