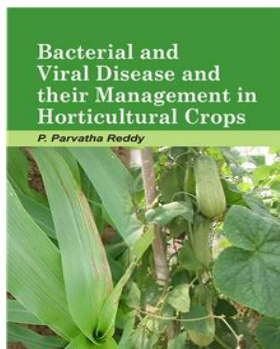


Bacterial and Viral Diseases of Horticultural Crops and Their Management

P. Parvatha Reddy



ISBN	: 9788172336301	Book Format	: Book
E-ISBN	: 9789387307346	Binding	: Hard Bound
Language	: English	Edition	: 1
Imprint	: Scientific Publishers	© Year	: 2010
Pages	: 288	Trim Size	: 6.5 x 9.75
Weight	: 700 Gms		

Print Book : ~~₹3,350.00~~ **₹3,015.00** **10%Off**

Individual E Book : **₹4,355.00**

Institutional E Book : **Price available on request**

Blurb

Horticulture in India is fast emerging as a major commercial venture, because of higher remuneration per unit area and the realization that consumption of fruits and vegetables is essential for health and nutrition. In the last one decade, export potential of horticultural crops has also significantly increased attracting even multinationals into floriculture, processing and value added products. Productivity of horticultural crops in India is relatively low as compared to other countries. Of the several factors responsible for lower productivity of horticultural crops, bacterial and viral/mycoplasma/phytoplasmal diseases are considered as important limiting factors. Diseases of horticultural crops continue to cause losses of about 10% of the crop yields worth more than Rs. 15,000 crores annually. More than 9,600 MT of technical grade fungicides are used annually to manage the diseases in India. The information on bacterial and viral/mycoplasma/phytoplasmal diseases of horticultural crops (fruits, vegetables, plantation, spice, tuber, ornamental, medicinal and aromatic crops) is very much scattered. There is no book at present which comprehensively and exclusively deals with the above aspects in horticultural crops. The present book deals with distribution, symptoms, host range, disease cycle, survival, spread, transmission and management of bacterial and viral/mycoplasma/ phytoplasmal diseases in horticultural crops in detail using regulatory, physical, cultural, chemical, biological, host plant resistance and integrated methods. The book is extensively illustrated with excellent quality photographs enhancing the quality of publication. The book is written in lucid style, easy to understand language along with adoptable recommendations involving eco-friendly components of IDM. This book is a practical guide to practicing farmers of horticultural crops. Further, it is a useful reference to policy makers, research and extension workers and students. The material can also be used for teaching undergraduate and post-graduate courses.

Table of Contents

1. Horticultural Crops

- 1.1. Importance of Horticultural Crops
- 1.2. Export of Horticultural Produce

2. Fruit Crops

- 2.1. Banana
- 2.2. Citrus
- 2.3. Papaya
- 2.4. Pineapple
- 2.5. Karonda
- 2.6. Strawberry
- 2.7. Mango
- 2.8. Grapevine
- 2.9. Apple
- 2.10. Peach and Plum
- 2.11. Pomegranate
- 2.12. Ber
- 2.13. Passion Fruit

3. Vegetable Crops

- 3.1. Potato
- 3.2. Tomato
- 3.3. Brinjal
- 3.4. Chilli
- 3.5. Bell Pepper
- 3.6. Onion and Garlic
- 3.7. Okra
- 3.8. Cabbage and Cauliflower
- 3.9. Pea

- 3.10. French Bean
- 3.11. Cowpea
- 3.12. Cluster Bean
- 3.13. Field Bean
- 3.14. Lima Bean
- 3.15. Winged Bean
- 3.16. Sword Bean
- 3.17. Amaranthus
- 3.18. Spinach
- 3.19. Pumpkin
- 3.20. Cucumber
- 3.21. Bitter Gourd
- 3.22. Watermelon
- 3.23. Squash
- 3.24. Chow-Chow
- 3.25. Radish
- 3.26. Beet Root
- 3.27. Carrot
- 3.28. Turnip
- 3.29. Mushrooms

4. Ornamental Crops

- 4.1. Rose
- 4.2. Carnation
- 4.3. Chrysanthemum
- 4.4. Gladiolus
- 4.5. Marigold
- 4.6. China Aster
- 4.7. Narcissus
- 4.8. Zinnia
- 4.9. Oleander (Narium)
- 4.10. Dahlia
- 4.11. Amaryllis and Hippeastrum
- 4.12. Caladium
- 4.13. Dieffenbachia
- 4.14. Orchids
- 4.15. Anthurium

5. Medicinal and Aromatic Crops

- 5.1. Solanum
- 5.2. Periwinkle
- 5.3. Belladonna
- 5.4. Mints
- 5.5. Basil
- 5.6. Scented Geranium

6. Tuber Crops

- 6.1. Sweet Potato
- 6.2. Cassava (Tapioca)
- 6.3. Colocasia
- 6.4. Elephant Foot Yam
- 6.5. Yam

7. Plantation Crops

- 7.1. Coffee
- 7.2. Tea
- 7.3. Coconut
- 7.4. Areca Nut
- 7.5. Betel Vine
- 7.6. Oil Palm

8. Spice Crops

- 8.1. Black Pepper
- 8.2. Cardamom
- 8.3. Ginger
- 8.4. Coriander

9. Allied Topics in Pest Management

- 9.1. Use of Power Sprayers
- 9.2. Use of Stickers/ Spreaders
- 9.3. Preparation of Bordeaux Mixture and Bordeaux Paste
- 9.4. Seed Treatment for Storage
- 9.5. Ready Reckoner for making Pesticide Spray Solutions
- 9.6. Compatibility Chart
- 9.7. Soil Solarization
- 9.8. Mass Production of Biocontrol Agents
- 9.9. Enrichment of FYM with Bioagents
- 9.10. Seed Biopriming / Solid Matrix Priming
- 9.11. Formulation of Alginate Pellets of Biocontrol Agents
- 9.12. Production of Bioagent Colonized Seedlings

10. Sources of Critical Inputs for the Management of Pests and Diseases

10.1. Bactericides
10.2. Pathogens
References
Subject Index

This is computer generated document and does not require signature

Scientific Publishers

Date :- Wed Sep 29 2021