

A perspective on Integrated Disease Management Strategies in Minor Tropical Fruit Crops of India In: Advanced Agriculture by S. Maitra and B. Pramanick (Editors) © New Delhi Publishers, New Delhi: 2020, 142-163. ISBN: 978-93-88879-99-6, DOI: 10.30954/NDP-advagr.2020.8

A perspective on Integrated Disease Management Strategies in Minor Tropical Fruit Crops of India

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Abstract: India is one of the major countries in producing more fruits and ranked in second. But several biotic and abiotic stress are causing the main barrier decreasing the yield and export causing heavy economical losses. One of the most effective method is the chemical method, but it is highly hazardous to environment and a limiting factor in terms of export to foreign countries. Hence, Integrated disease management is the best alternative for chemical control where all chemicals are used up to a safer extent. In Integrated disease management approach, wide range of diseases and pests can be controlled through cultural practices and careful handling, by knowing favourable environmental conditions and epidemiological studies. Physical, cultural, biological and chemical control measures when combined, various major and minor disease of cucumber, watermelon, sapota and jamun can be controlled simultaneously. In India. many farmers are not educated and not aware of this approach. Govt should take some action to make this practice reach out to a greater number of farmers. Keeping view of the recent context, the diseases, its symptoms and IDM approach for cucumber, watermelon, sapota and jamun are described in this chapter.

Keywords: Pathogen, Symptom, Biological, Management, Control.

1. Introduction

India has ranked second in place in world fruit production contributing 10% of the total world fruit production but this production is quite low basing on the population point of view. The major problem for the low yield is due to various biotic and abiotic stresses. The biotic causes, mainly disease in fruit plants is gaining attention among the growers