



Greenhouse Pest Management

Edited by: Laichattiwari Mukesh Anandrao

GREENHOUSE PEST MANAGEMENT

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Greenhouse Pest Management

The concept of greenhouses has been an interesting since decades as they provide an excellent base for cultivators who wish to go for mass scale vegetation under controlled conditions. This book will give an impetus towards initiating integrated pest management. The pests have been proved as a crucial factor in management of greenhouses. Many techniques were used since many areas to produce crops which can be freed of pests and pathogens but often landed in several roadblocks. Today's technology may decide the advancements in the future. The same concept can be applied to the greenhouse and integrated pest management.

Several attempts to adapt crop production according to the manipulated environment date back to previous times. The structures which were used in protected crop production was reported first in the early Roman empire and the Emperor Tiberius Caesar (14-37 AD) initiated this. These structures contained mobile beds in which cucumbers were placed when the weather was bad and placed outside in the case of good weather.

The greenhouses in UK used glass structures which were built to cultivate plants imported from America and tropical Asia during 16th and 17th century. These important methods ceased to function with the decline of the Roman Empire. In early 18th century there was much development in this field which has flourished since then. Simple forms of greenhouses were first seen in England, Japan, China, France and The Netherlands. In the late 19th century there was a drastic development in the commercial production in the greenhouses.

The primary purpose of growing crops under protected conditions such as greenhouses is to enhance their cropping season and to protect the crop from rough environmental conditions. The extreme conditions can be diseases, precipitation and temperatures. This book has taken care of almost all the aspects of the greenhouse and the process of associated integrated pest management.

This book may be used as a hand book for undergraduates, postgraduates and research students who would like to know the basics and would like to excel in the field of integrated pest management in greenhouses.



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