

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Agriculture - NOC:Integrated Pest Management (IPM)

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Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction
- Lecture 2 - Insect, abundance and diversity
- Lecture 3 - Insect classification based on economic importance
- Lecture 4 - Pest, causes for outbreaks and categories
- Lecture 5 - Pest, causes for outbreaks and categories (Continued...)
- Lecture 6 - Pest surveillance and methods of sampling
- Lecture 7 - Principles of Pest Management and History
- Lecture 8 - IPM, Definition and Concepts
- Lecture 9 - Ecological Methods of Pest Management - Legal and Cultural
- Lecture 10 - Ecological Methods of Pest Management - Cultural (Continued...)
- Lecture 11 - Ecological Methods of Pest Management - Cultural (Continued...)
- Lecture 12 - Ecological Methods of Pest Management - Physical
- Lecture 13 - Ecological Methods of Pest Management - Mechanical
- Lecture 14 - Host Plant Resistance
- Lecture 15 - Host Plant Resistance (Continued...)
- Lecture 16 - Biological Control - Predators
- Lecture 17 - Biological Control - Parasitoids
- Lecture 18 - Biological Control - Microbes
- Lecture 19 - Biological Control - Microbes
- Lecture 20 - Pest management by modifying insect behaviour
- Lecture 21 - Use of sex pheromones in pest management
- Lecture 22 - Use of attractants and repellants in pest management
- Lecture 23 - Pest management through radiation technology - Principles
- Lecture 24 - Sterile Insect Technique - case studies
- Lecture 25 - Pest management through botanicals
- Lecture 26 - Pest management through botanicals (Continued...)
- Lecture 27 - Chemical Control - History and classification
- Lecture 28 - Mode of Action of different insecticide groups
- Lecture 29 - Chemical Control - Considerations for Chemicals Integration

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- Lecture 30 - Insecticide Resistance and Management
- Lecture 31 - Insecticide as component of IPM
- Lecture 32 - Biotechnological Approaches in IPM
- Lecture 33 - Agro-ecosystem Analysis
- Lecture 34 - IPM in Paddy
- Lecture 35 - IPM in Paddy (Continued...)
- Lecture 36 - IPM in Pigeon pea
- Lecture 37 - IPM in Pigeon pea (Continued...)
- Lecture 38 - IPM in Groundnut
- Lecture 39 - IPM in Mustard and Soyabean
- Lecture 40 - IPM in Cotton
- Lecture 41 - IPM in Cotton (Continued...)
- Lecture 42 - IPM in Sugarcane
- Lecture 43 - IPM in Sugarcane (Continued...)
- Lecture 44 - IPM in Tomato
- Lecture 45 - IPM in Cabbage
- Lecture 46 - IPM in Mango
- Lecture 47 - IPM in Grapes