

Module 6

Integrated Pest Management (IPM)

Unit 1

45 mins

Introduction to IPM

Objective

1

To understand the different pest management methods and the concept of integrated pest management

2

To know the safety precautions to be observed when controlling pests

Methods of pest control

1 Cultural method

This includes the use of cultural methods to control pests, like use of resistant varieties, tillage, mulching, hand weeding and hoeing, pruning, trapping using buckets, using nets and hand picking of insects and weeds, and the use of physical barriers such as row covers and sticky bands. Adequate planting date or time also helps prevent pest infestation.



2 Biological method

Planting crops or using living organisms that are natural enemies of pest attacking maize can control pest. Also Fall army worm can be controlled using neem extract.



3 Chemical method

Chemical pest control refers to the use of pesticides to manage pests. It involves the application of chemical substances to control or eliminate unwanted insects, weeds, and other organisms that can cause harm to crops, structures, or the environment.



What is integrated pest management (IPM)?



Integrated Pest Management (IPM) is an effective and environmentally sensitive approach to pest management that relies on a combination of common practices.

Safety precautions in the use of chemical pesticides

1

Always read and follow the pesticide label's instructions and safety warnings.



2

It is important to know the appropriate type and quantity/amount to apply, depending on the size of the farm and the pest.



3

Wear personal protective equipment (like gloves, goggles or long-sleeved shirts) as directed by the label.



4

ENSURE to observe wind direction when spraying. DON'T spray along the wind direction rather back the wind direction and spray.



5

Keep pesticides out of reach of children and dispose of pesticides according to the label. Wash your hands after handling pesticides to avoid food contamination.



6

Properly wash and rinse KNAPSACK containers after usage.



7

Ensure to use the appropriate nozzle when spraying.

