

TYPES OF PESTICIDES

CHAPTER 13

- Any chemical used to control a pest
- Many different kinds

INSECTICIDES



BROAD SPECTRUM
NARROW SPECTRUM
CONTACT/
SYSTEMIC



CHITIN (primary structural chemical in body wall)
SYNTHESIS INHIBITORS-INTERFERE WITH
THE DEVELOPMENT AND MOLTING OF
IMMATURES

INSECT GROWTH REGULATORS-MIMIC
ACTION OF INSECT'S NATURALLY
OCCURRING JUVENILE HORMONE. VERY
SAFE BUT SLOW

PHEROMONES-NATURALLY PRODUCED
CHEMICALS USED BY ANIMALS TO
COMMUNICATE TO EACH OTHER

SHORT TERM VS RESIDUAL
(how long they last)



University of Nebraska
Department of Entomology

MITICIDES OR ACARACIDES



FUNGICIDES

- Must have contact
- Can be systemic



FUNGICIDES

2 approaches:

PROTECTANT-before disease

ERADICANT-after disease

HERBICIDES-pesticides used to control unwanted plants

SELECTIVE VS NONSELECTIVE

HERBICIDE TIMING

CHECK THE LABEL

- PREPLANT-before crop
- PREEMERGENT -crop or weed
- POSTEMERGENT-selective



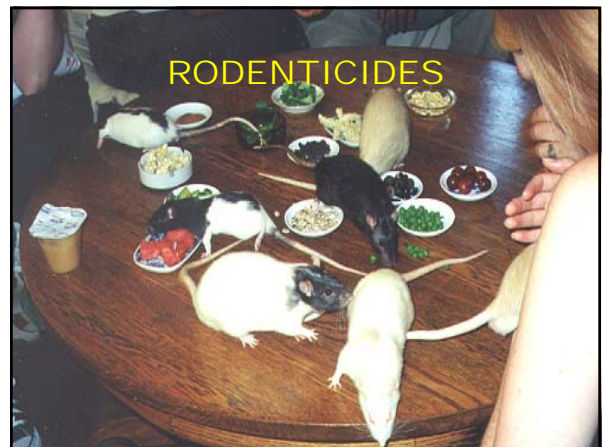
PLANT GROWTH REGULATORS

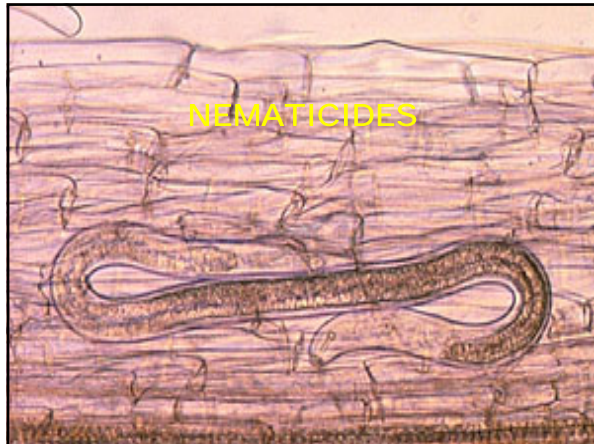
increases, decreases or changes normal growth or reproduction in a plant

HARVEST AIDS

- desiccants
- defoliant

RODENTICIDES





REPELLANTS
pesticides that make a site or food unattractive to a pest

A photograph of a mosquito on a piece of food, likely a slice of orange. Next to it is a can of OFF! Deep Woods insect repellent. The can is green and white with the brand name 'OFF!' prominently displayed. It also features a 'DANGER' warning and '1.75g' at the bottom.

- TYPES OF PESTICIDES**
- insecticides
 - herbicides
 - fungicides
 - nematicides
 - acaricides
 - molluscides