Veterinary Science
Preparatory Training for the Veterinary Assistant
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Pesticide Regulations

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Objectives

- Understand the regulations requiring people who use restricted pesticides to have pesticide applicator licenses protect the environment, animals, and the public

- Understand that following pesticide labels protects the environment, animals, and the public
A pest is any organism detrimental to humans

Agricultural pests "interfere with the production and utilization of crops and livestock used for food and fiber"

Pesticides – any chemical that kills pests by various prevention and control methods
- 600 species of insects
- 1,800 species of weeds
- Numerous species of fungi and nematodes
- Economic damage
- Weeds are the most pervasive pests in U.S. agriculture in terms of the share of pesticide treatments used to control them
Types of Pests

- Insects
  - Insecticide
- Arachnids
  - Insecticide (acaricide)
- Other arthropods
- Economic losses
Unwanted plants

- Herbicide
- Economic losses
Plant fungi
- Fungicide
- Soybean rust
- Potato blyth
- Economic losses
Plant nematodes

- Nematicide
- Economic losses

Root knot nematode
Plant bacteria

- Bactericide
- Severe economic losses
Rodents

- Rodenticide
- Disease transmission
- Economic losses
Types of Pesticides

- Insecticide
- Herbicide
- Fungicide
- Nematicide
- Bactericide
- Rodenticide
Labels

- Read the label
- Lists
  - Active ingredients
  - Cautions
  - Classification use
  - Directions for use, storage, and disposal
Classification Use

- Can be either general-use or restricted-use
- Restricted use is one that can cause human injury or environmental change when used by LABEL
Federal Insecticide, Fungicide and Rodenticide Act

- Federal law that regulates the manufacture, transport, distribution, use, and disposal of pesticides
  - Federal agency is the Environmental Protection Agency
  - State agency is the State Department of Agriculture
- Requires a applicators license for restricted-use pesticides
  - None required for general-use pesticides
- Veterinarians are required to be licensed before they can sell, purchase, and use federally restricted-use pesticides
Types of Licenses for Restricted-use Pesticides

- Business pesticide license
- Commercial pesticide applicators license
- Noncommercial pesticide applicators license
- Private pesticide applicators license
Recertification to stay current

- Commercial and noncommercial applicators
  - 5 Continuing Education Units (CEUs) annually
- Private applicators
  - 15 Continuing Education Units (CEUs) every 5 years