

OREGON DEPARTMENT OF AGRICULTURE

INSECTICIDE / FUNGICIDE

EXAMINATION OUTLINE

To successfully complete this examination, the applicant will need to be familiar with the topics identified in this outline.

It is advisable to bring a small, hand held calculator to the exam session to assist in performing calculations. This exam has 100 questions. A score of 70% is needed to pass the exam. **Government issued photo identification (such as a driver's license) will be required when you check in for testing.**

OREGON DEPARTMENT OF AGRICULTURE
PESTICIDE EXAMINATION OUTLINE
AGRICULTURE: INSECTICIDE/FUNGICIDE

- 1) Methods of pest control
 - a. Cultural
 - b. Biological
 - c. Mechanical
 - d. Physical
 - e. Chemical
- 2) Integrated pest management (IPM)
 - a. Definition
 - b. Methods
 - c. Thresholds
 - d. Evaluation
- 3) Insects and relatives
 - a. Growth and development
 - b. Structure and physiology
 - c. Classification (specific examples)
- 4) Type of insect damage
- 5) Insecticide modes of action
- 6) Insecticide classification
 - a. Traditional
 - b. Microbial
 - c. Developmental
- 7) Insecticide resistance
- 8) Special insecticide precautions
- 9) Pollinator protection
- 10) Plant diseases and pathogens
 - a. Fungi
 - b. Bacteria
 - c. Viruses
 - d. Nematodes
- 11) Disease development
- 12) Disease signs and symptoms
- 13) Control methods
 - a. Vector control
 - b. Fungicides
 - c. Bactericides
 - d. Nematacides
- 14) Disease resistance and management
- 15) Calibration and calculations
- 16) Application methods
- 17) Label comprehension

