

# OREGON DEPARTMENT OF AGRICULTURE PESTICIDE EXAMINATION OUTLINE

To successfully complete this examination, the applicant will need to be familiar with the topics identified in this outline. The outline is not intended to be used as the sole study material and may not be all inclusive of topics covered in the exam. See the ODA website <http://oregon.gov/ODA/PEST/> or the “Guide to Pesticide-Related Licensing in Oregon” (available on the web or by calling 503-986-4635) for details on recommended study material.

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  
LAWS AND SAFETY

- 1) Label comprehension
  - a) The label is the law
  - b) Parts of the label including:
    - i) Restricted-use pesticide (RUP) vs. general-use
    - ii) Precautionary statements
    - iii) First aid
    - iv) Signal words
    - v) Active and other ingredients
    - vi) Directions for use
    - vii) Storage and disposal
- 2) Protective clothing and equipment
  - a) General clothing requirements
  - b) Respirator types and uses
  - c) Decontamination and cleanup
- 3) First aid and toxicity
  - a) First aid
    - i) Signs and symptoms
    - ii) First aid and the label
    - iii) What to do in an emergency
  - b) Toxicity
    - i) LD50 and LC50 values
    - ii) Acute vs. chronic effects
    - iii) Routes of exposure
    - iv) Cholinesterase monitoring
- 4) Federal and State laws and regulations
  - a) Agency responsibilities
    - i) Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
    - ii) Federal Food, Drug and Cosmetic Act (FFDCA)
    - iii) Oregon Revised Statute (ORS) 634 & Oregon Administrative Rule (OAR) 603
    - iv) Worker Protection Standards (WPS)
    - v) Occupational Safety and Health Act (OSHA)
    - vi) Hazard Communication Standard (HCS)
    - vii) Endangered Species Act (ESA)
  - b) License types and requirements
  - c) Certification periods
  - d) Prohibited acts and civil penalties
- 5) State recordkeeping requirements
  - a) Recordkeeping elements
  - b) Retention time
- 6) Integrated Pest Management (IPM)
  - a) Definition of IPM
  - b) Advantages of IPM
  - c) Types of control methods
  - d) Scouting and monitoring
  - e) Economic threshold
  - f) Economic injury level

- 7) Environmental considerations
  - a) Drift
    - i) Particle drift
    - ii) Vapor drift
  - b) Groundwater contamination
    - i) Pesticide transport in the environment
    - ii) Soil types
  - c) Wildlife
  - d) Pesticide persistence
    - i) Factors influencing persistence
    - ii) Processes for degradation
  
- 8) Pesticide transportation, storage and disposal
  - a) Storage
    - i) Facility requirements
    - ii) Keep site safe
  - b) Transportation
    - i) Where in vehicle to carry pesticides
    - ii) Placarding and shipping documents
    - iii) Material Safety Data Sheet (MSDS)
  - c) Spills
    - i) Control
    - ii) Contain
    - iii) Cleanup
  - iv) Oregon Emergency Response System (OERS)
  
- d) Disposal
  - i) Disposal of unwanted pesticide product
  - ii) Disposal of pesticide containers