

# 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  
AGRICULTURE VERTEBRATE PEST

- 1) Pest identification and behavior
  - a) Biology and habits, damage characteristics and control techniques for:
    - i) Rats
    - ii) Mice (including voles)
    - iii) Pocket gophers
    - iv) Moles
    - v) Ground squirrels
  - b) Biology and habits, control techniques for:
    - i) Sparrows and starlings
    - ii) Bats
- 2) IPM and chemical control methods
  - a) Definition of IPM
  - b) Advantages of IPM
  - c) Types of control methods
  - d) Scouting and monitoring
  - e) Economic threshold
  - f) Economic injury level
- 3) Label comprehension
  - a) Restricted-use vs general-use
  - b) Precautionary statements
  - c) Signal words
  - d) Active and other ingredients
  - e) Directions for use
  - f) Agricultural use requirements
  - g) Worker protection statements
  - h) Storage and disposal
  - i) The label is the law
  - j) Parts of the label
  - k) Be able to answer word problems based on the text in a sample label.
- 4) Pesticide properties
  - a) Rodenticides
    - i) Anticoagulant types
    - ii) Phosphine gas types
  - b) Avicides
- 5) Calibration and calculations
  - a) Know how to calculate the following based on word problems that provide relevant variables.
    - i) Application rate
    - ii) Sprayer delivery rate
    - iii) Area of a field
    - iv) How much concentrate to dilute into spray tank

- v) Miscellaneous problems and combinations of the above.
- b) Best ways to change sprayer output, application rates, etc.
- 6) Federal and State laws
  - a) FIFRA
  - b) ORS 634 & OAR 603
  - c) Endangered Species Act
  - d) Migratory Bird Treaty Act