

# 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 SOIL FUMIGATION

- 1) Environment
  - a) Vapor drift
  - b) Groundwater contamination
    - i) Pesticide transport in the environment
    - ii) Soil types
- 2) 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.
- 3) Application equipment used in soil fumigation
- 4) Pest characteristics
  - a) Nematodes
  - b) Soil fungi
  - c) Soil insects
  - d) Symphylans
  - e) Weeds
- 5) Pesticide characteristics
  - a) Methyl bromide
  - b) 1,3-dichloropropene
  - c) Chloropicrin
  - d) Metam sodium
  - e) Dazomet
- 6) Application or control techniques
  - a) Factors affecting application performance
- 7) Terminology
- 8) Label comprehension
  - a) The label is the law
  - b) Parts of the label including:
    - i) Restricted-use 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
  - c) Be able to answer word problems based on the text in a sample label.