

# OREGON DEPARTMENT OF AGRICULTURE

## PUBLIC HEALTH

### 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 "Pesticide Licensing Guide for Oregon" (available online 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  
PUBLIC HEALTH

- 1) Mosquitoes
  - a) Lifecycles
  - b) Habits
  - c) Control methods
  - d) Groups
    - i) Aedes
    - ii) Culex
    - iii) Culiseta
    - iv) Coquillettidia
    - v) Anopheles
- 2) Rodents
  - a) Habits
  - b) Control methods
  - c) groups
    - i) Rats
      - (1) Roof rat
      - (2) Norway rat
    - ii) Mice
- 3) Other public health pests
  - a) Lifecycles
  - b) Habits
  - c) Control methods
  - d) Groups
    - i) Cockroach
    - ii) Flies
    - iii) Fleas
    - iv) Bed bugs
    - v) Mites
    - vi) Ticks
    - vii) Spiders
    - viii) Stinging insects
- 4) Vectored diseases
  - a) Mosquitoes
    - i) St. Louis encephalitis
    - ii) Western equine encephalitis
    - iii) West Nile virus
    - iv) Dengue
    - v) Yellow fever
    - vi) Malaria
  - b) Ticks
    - i) Colorado tick fever

- ii) Rocky Mountain spotted fever
  - iii) Lyme disease
  - iv) Ehrlichiosis
  - v) Relapsing fever
  - vi) Tick Paralysis
  - vii) Tularemia
- c) Others
  - i) Plague
  - ii) Murine typhus
  - iii) Hantavirus pulmonary syndrome
  - iv) Dermatitis
  - v) Leptospirosis
  - vi) Meningitis
- 5) Pesticides
  - a) Aluminum phosphide
  - b) Bacillus thuringiensis
  - c) Diphacinone
  - d) Malathion
  - e) Methoprene
  - f) Naled
  - g) Permethrin
  - h) Pyrethrins and pyrethroids
  - i) Resmethrin
  - j) Temephos
  - k) Warfarin
  - l) Zinc phosphide
- 6) Integrated Pest Management
  - a) Definition of IPM
  - b) Advantages of IPM
  - c) Types of control methods
  - d) Scouting and monitoring including sampling methods
  - e) Economic threshold
  - f) Economic injury level
- 7) Pesticide applications
  - a) ULV applications
  - b) Aquatic applications
  - c) Baiting and trapping
  - d) Spray applications
- 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 and calculations based on a sample label