

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
PRIVATE APPLICATOR

- 1) Pesticide Laws & Regulations
 - a) Agencies involved and areas of responsibility
 - i) Federal Agencies
 - ii) State Agencies
 - b) License types and authorized activities
 - i) Private pesticide applicator
 - ii) Public pesticide applicator
 - iii) Commercial pesticide applicator
 - c) Certification
 - i) Definition
 - ii) Period of time certification is valid
 - (1) Private Applicator
 - (2) Public Applicator
 - (3) Commercial Applicator
 - d) Licensing
 - i) Definition
 - ii) Period of time license is valid
 - (1) Private Pesticide Applicator
 - (2) Public Applicator
 - (3) Commercial Applicator
 - e) Record Keeping
 - i) USDA Private Applicator Recordkeeping Requirements
 - (1) Required elements
 - (2) Retention period
 - ii) Pesticide Use Reporting System (PURS)
 - (1) Who must report
 - (2) What must be reported
 - (3) Frequency of reporting
- 2) Pesticide Registrations
 - a) Federal Registrations (Section 3)
 - b) State Registrations
 - i) Special Local Need Registrations (Section 24c)
 - ii) Emergency Exemptions (Section 18)
 - c) Restricted use versus general use
 - d) Tolerances and residues
- 3) Pesticide Label Interpretation
 - a) Names
 - i) Trade name
 - ii) Common name
 - iii) Chemical name
 - b) Registration numbers

- i) EPA registration number
 - ii) EPA establishment number
 - iii) SLN registration number
 - c) Signal words
 - i) Danger
 - ii) Warning
 - iii) Caution
 - d) Statements
 - i) Protective clothing and equipment statement
 - ii) Environmental hazards statement
 - iii) Physical and chemical hazards statement
 - iv) Classification statement
 - v) Ingredient statement
 - vi) Worker protection statement
 - e) Legal interpretation of label directions
 - i) Pests controlled
 - ii) Sites of application
 - iii) Amount to use
 - iv) Dilution
- 4) Calibration and Calculations
 - a) Field sizes
 - b) Amount AI applied per acre
 - c) Total amount of formulation needed
 - d) Calibration concepts
- 5) Pesticide Types and Formulation
 - a) Wettable powders
 - b) Dusts
 - c) Granules
 - d) Emulsifiable concentrates
 - e) Soluble powders
 - f) Solutions
 - g) Dry flowables
 - h) Water dispersible granules
 - i) Fumigants
 - j) Aerosols
 - k) Adjuvants
- 6) Application Equipment
 - a) Foggers
 - b) Blowers
 - c) Fumigators
 - d) Sprayers
 - e) Dusters and granular applicators
 - f) Soil fumigation equipment
 - g) Seed treats
 - h) Specialized application equipment
 - i) Animal application equipment

- j) Nozzle materials
- k) Nozzle types
- l) Pump types
- 7) Pesticide Toxicity
 - a) Exposure characteristics
 - b) Systems of the body affected
 - c) First aid for pesticide poisoning victims
- 8) Pesticide Safety
 - a) Personal protective equipment (PPE)
 - i) Respirators
 - ii) Gloves
 - iii) Boots
 - iv) Clothing
 - b) Restricted entry intervals
 - c) Worker protection standards
- 9) Pesticide Storage, Transportation, and Disposal
 - a) Storage
 - b) Transportation
 - c) Disposal
 - d) Spill Cleanup
- 10) Pesticide Drift and Environmental Concerns
 - a) Drift reduction techniques
 - b) Groundwater contamination
 - c) Chemigation requirements
 - d) Endangered species
 - e) Bee poisoning
- 11) Integrated Pest Management (IPM)
 - a) Biological pest control
 - b) Cultural pest control
 - c) Host resistance
 - d) Mechanical pest control
 - e) Chemical pest control
- 12) Pest Characteristics
 - a) Insects and mites
 - b) Diseases
 - c) Weeds (grasses, sedges, broadleaves)
 - i) Annual
 - ii) Biennial
 - iii) Perennial