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.
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