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