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) Label comprehension
   a) The label is the law
   b) Parts of the label including:
      i) Restricted-use pesticide (RUP) 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

2) Protective clothing and equipment
   a) General clothing requirements
   b) Respirator types and uses
   c) Decontamination and cleanup

3) First aid and toxicity
   a) First aid
      i) Signs and symptoms
      ii) First aid and the label
      iii) What to do in an emergency
   b) Toxicity
      i) LD50 and LC50 values
      ii) Acute vs. chronic effects
      iii) Routes of exposure
      iv) Cholinesterase monitoring

4) Federal and State laws and regulations
   a) Agency responsibilities
      i) Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
      ii) Federal Food, Drug and Cosmetic Act (FFDCA)
      iii) Oregon Revised Statute (ORS) 634 & Oregon Administrative Rule (OAR) 603
      iv) Worker Protection Standards (WPS)
      v) Occupational Safety and Health Act (OSHA)
      vi) Hazard Communication Standard (HCS)
      vii) Endangered Species Act (ESA)
   b) License types and requirements
   c) Certification periods
   d) Prohibited acts and civil penalties

5) State recordkeeping requirements
   a) Recordkeeping elements
   b) Retention time

6) Integrated Pest Management (IPM)
   a) Definition of IPM
   b) Advantages of IPM
   c) Types of control methods
   d) Scouting and monitoring
   e) Economic threshold
   f) Economic injury level
7) Environmental considerations
   a) Drift
      i) Particle drift
      ii) Vapor drift
   b) Groundwater contamination
      i) Pesticide transport in the environment
      ii) Soil types
   c) Wildlife
   d) Pesticide persistence
      i) Factors influencing persistence
      ii) Processes for degradation

8) Pesticide transportation, storage and disposal
   a) Storage
      i) Facility requirements
      ii) Keep site safe
   b) Transportation
      i) Where in vehicle to carry pesticides
      ii) Placarding and shipping documents
      iii) Material Safety Data Sheet (MSDS)
   c) Spills
      i) Control
      ii) Contain
      iii) Cleanup
      iv) Oregon Emergency Response System (OERS)
   d) Disposal
      i) Disposal of unwanted pesticide product
      ii) Disposal of pesticide containers