OREGON DEPARTMENT OF AGRICULTURE

IIHS STRUCTURAL

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.*
1) Environment
   a) Groundwater and surface water contamination
      i) Pesticide transport in the environment
   b) Pesticide persistence
      i) Factors influencing persistence
2) Calibration, calculations and equipment
   a) Equipment and maintenance
      i) Rodding equipment
      ii) Bait applicators
      iii) Backpack sprayers
      iv) Foam applicators
      v) Large volume sprayers
      vi) Dust applicators
      vii) Aerosols and fogs
      viii) Dusters and granular applicators
      ix) Drills
   b) Calibration of equipment
   c) Calculations
      i) Calculate size of area to be treated
      ii) Rate of application
      iii) Mixing percent solutions
3) Integrated Pest Management
   a) Advantages of using an integrated approach
   b) Chemical vs other control methods
   c) Scouting and monitoring
4) Pest characteristics
   a) Insects
      i) Anatomy
      ii) Insect classification and identification
      iii) Types of insects (identification, habits, control methods)
         (1) Subterranean termites
         (2) Pacific dampwood (rottenwood) termites
         (3) Carpenter ants
         (4) Powder post beetles and other wood boring beetles
   b) Wood decaying fungi
      i) Identification
      ii) Control
5) Safety and handling
   a) Pesticide transportation, storage and disposal
   b) Protective clothing and equipment
      i) General clothing requirements
ii) Respirator types and uses
iii) Decontamination and cleanup

c) First aid
   i) Signs and symptoms
   ii) First aid and the label
   iii) What to do in an emergency

6) Pesticide characteristics
   a) Types of pesticides (insecticides, fungicides)
   b) Formulation types
   c) Adjuvants (what are they used for, types)

7) Application or control techniques
   a) Trenching
   b) Rodding
   c) Drilling
   d) Building construction and application considerations
   e) Spot application and direct treatment of wood
   f) Termite bait stations

8) Terminology
   a) See glossary of terms in study manual

9) 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
      viii) Be able to answer word problems and calculations based on a sample label.