

## Oregon Department of Agriculture

### IIHS: General Pest exam outline

#### Introductory Background Information

##### How to Use This Outline

To successfully pass this examination, the applicant will need to be familiar with the topics identified in this outline, as well as other topics in the study material. This outline is not intended to be used as study material and is considered a guidance document. In addition, this outline may not be all inclusive of topics covered in the exam. See the ODA Exams and Study Materials [webpage](#) for details on recommended study material.

##### Exam Information

This exam has 100 multiple choice questions. A score of 70% or above is needed to pass the exam. For information needed to schedule an exam, making changes, to an existing reservation, and other requirements, see: <https://oda.direct/TakingPesticideExams>

##### What Happens After I Pass an Exam?

In addition, please note that the contact information (email or mailing address) the applicant uses to register for the exam(s) will also be used by ODA to distribute the licensing applications upon passing the minimum number of required exam(s) to qualify for a license. Additional information and step-by-step instructions for obtaining a pesticide license can be found on the ODA [website](#).

# OREGON DEPARTMENT OF AGRICULTURE

## PESTICIDE EXAMINATION OUTLINE

### IIHS: GENERAL PESTS

The use of pesticides, other than fumigants, in or around of structures, institutions, and industrial facilities, or structures with processed or manufactured products for the control of pests other than wood-destroying pests.

#### I. Integrated Pest Management (Chapter 1: Principles of Pest Management)

- A. Advantages of using an integrated approach
- B. Chemical vs other control methods
- C. Scouting and monitoring
- D. Best pest management practices
- E. Pest Management in Specialized Facilities (Chapter 21)

\*NOTE: To add additional protections for children, Oregon law (ORS 634.700 – ORS 634.750) establishes certain requirements and limitations when pesticides are applied on a school campus. Additionally, ODA has adopted an optional license category (School Integrated Pest Management). Please refer to [this link](#) for more information.

#### II. Pest Characteristics (Chapters 2-3: Introduction to Entomology and Insect Development, Classification, and Identification)

- A. Insects
  - 1. Insect anatomy, behavior, and development stages
  - 2. Insect classification and identification
  - 3. Insect identification, habitat preferences, and control methods (please refer to letters 'a' through 'h' below on which insect pests to study along with their management techniques):
    - a. Cockroaches (Chapter 7)
    - b. Ants and other Hymenopterous pests (Chapter 10)
    - c. Stored food pests (Chapter 11)
    - d. Fleas, Ticks, and Other Ectoparasites (Chapter 12)
    - e. Bed bugs and other Blood-feeding bugs (Chapter 13)
    - f. Flies (Chapter 14)
    - g. Occasional invaders (mites, other nuisance insects) (Chapter 15)
    - h. Fabric insect pests (Chapter 16)
- B. Rats and mice (Chapter 17)
  - 1. Identification, biology, and behavior
  - 2. Control techniques (sanitation, exclusion, trapping, rodenticides [all types])

#### III. Pesticide Characteristics and Application or Control Techniques (Chapter 4: Pesticides)

- A. Routes of Entry
- B. Types of pesticides (insecticides, rodenticides, etc.)
- C. Pesticide Formulations
- D. Adjuvants (what are they used for and types)

E. Pesticides and their intended use on pests (please refer to 'a' through 'h' under "Pest Characteristics" on which pest management techniques to review)

IV. Pesticide Label Comprehension (Chapter 4: Pesticides – Laws and the Pesticide Label)

- A. Restricted-use and General-use
- B. Precautionary statements
- C. First aid
- D. Signal words and symbols
- E. Active and other ingredients
- F. Directions for use
- G. Storage and disposal
- H. Be able to answer word problems and calculations based on a sample label.

V. Safety and the Environment (Chapter 5: Safety and the Environment)

- A. Safety in the Pesticide Use Cycle
  - 1. Pesticide transportation, storage, and disposal safety procedures
  - 2. Equipment safety
  - 3. Personal protective equipment (PPE) and clothing
    - i.) General clothing requirements
    - ii.) Respirator types and uses
  - 4. Decontamination and cleanup
  - 5. Pesticide poisoning and first aid
  - 6. What to do in an emergency
- B. Environment
  - 1. Environmental protection

VI. Calibration, Calculations, and Equipment (Chapter 6: Equipment)

- A. Be able to answer word problems and calculations based on a sample label
  - 1. Calculate size of area to be treated
  - 2. Rate of application
  - 3. Mixing pesticides
- B. Different types of equipment for applying pesticides
  - 1. Specialized pest management equipment
  - 2. Pest-proofing equipment
  - 3. Inspection equipment
- C. Equipment maintenance including calibration

REMEMBER: Be prepared to understand definitions and terminology used in the study material chapters and sections listed above.