

OREGON DEPARTMENT OF AGRICULTURE

AQUATIC

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 50 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
AQUATIC

- 1) Aquatic vegetation management
 - a) Algae
 - i) Filamentous
 - (1) Chara
 - (2) Nitella
 - ii) Plankton
 - (1) Single cell
 - (2) Colonies
 - b) Vascular plants
 - i) Emerged plants
 - (1) Cattail
 - (2) Yellow waterlily
 - ii) Submersed plants
 - (1) Elodea
 - (2) Milfoil
 - iii) Floating plants
 - (1) Duckweed
 - (2) White waterlily
 - c) Mechanical control
 - d) Biological control
 - e) Chemical control
 - i) Static water
 - ii) Flowing water
 - iii) Ditchbanks
- 2) Fish management
 - a) Pest fish
 - i) Carp
 - ii) Bullhead catfish
 - iii) Perch
 - iv) Suckers
 - b) Environmental manipulation
 - c) Mechanical control
 - d) Chemical control
 - i) Rotenone
- 3) Note: this test does not cover mosquitoes or other public health pests.
- 4) Environmental effects of aquatic pesticide applications
 - a) Acute effects
 - i) Plants
 - ii) Fish
 - iii) Invertebrates
 - iv) Other animals and humans

- b) Indirect effects
 - i) Habitat modification
 - ii) Oxygen levels
 - iii) Food chain
- 5) Aquatic pesticide applications
 - a) Equipment
 - b) Calibration of equipment
 - i) Liquid
 - ii) Granular
 - c) Calculations
 - i) Surface area – surface/subsurface treatment
 - ii) Volume – total water volume treatment
 - iii) Bottom layer treatment
 - iv) Canal or ditch water treatment
- 6) Label comprehension
 - a) Restricted-use vs general-use
 - b) Precautionary statements
 - c) Signal words
 - d) Active and other ingredients
 - e) Directions for use
 - f) Agricultural use requirements
 - g) Worker protection statements
 - h) Storage and disposal
 - i) The label is the law
 - j) Parts of the label
 - k) Be able to answer word problems based on the text in a sample label.