

Career Cluster: Agriculture & Natural Resource

College: Edmonds Community College

Related Prior Learning Outcomes

Program: HORTICUTLURE – RESTORATION HORTICULTURE (ATA)

Program: WASHINGTON DEPARTMENT OF AGRICULTURE PESTICIDE LICENSE

Course: HORT 110 – PEST MANAGEMENT PRINCIPLES

License: PRIVATE APPLICATOR LICENSE

Course Learning Outcomes:

License Learning Outcomes:

- Basic understanding of integrated pest management (IPM).
- Basic understanding of pesticides and their appropriate use, plus alternative approaches to management.
- The ability to choose the appropriate action or product for a given situation.
- A basic understanding of safety procedures for handling, applying, storing and disposing pesticides.
- The ability to read and interpret pesticide labels and MSDSs.
- The ability to calculate a site area, mixing rates, application rates, and equipment calibration.
- A well rounded exposure to all aspects of pesticide usage and alternative approaches to pest management.
- The ability to discuss pesticides, their appropriate use, and potential alternatives with clients and the general public.
- The ability to pass the WSDA pesticide license exam(s) as needed for professional employment.

- Understand federal and Washington State pesticide laws as well as other laws that affect pesticide users. Identify the various regulatory agencies responsible for enforcement.
- Define different types of pesticide formulations and uses.
- Identify parts of a pesticide label and understand the information contained on the label. Understand terminology associated with pesticide use.
- Describe pesticide hazards and health concerns and measures in place to protect people from exposure.
- Understand how to safely and legally use, store, transport, manage spills and dispose of pesticides.
- Identify the environmental consequences of improper pesticide use.
- Distinguish the different types of application equipment and how they are calibrated and maintained.
- Define integrated pest management strategies.

	<ul style="list-style-type: none">• Describe characteristics of insects, mites and similar relatives. Indicate the damage they cause and understand how to manage them. Identify the problems associated with insecticide use.• Describe characteristics of weeds, chemical and non-chemical means of managing them, and herbicide activity, selectivity and resistance.• Distinguish the major groups of plant pathogens and how they develop, are diagnosed and controlled.• Understand the principles and legal considerations of vertebrate management as well as the various control methods.• Washington State Department of Agriculture Private Applicator licensing exam.
--	---

Course Credit: 3

Assessment Method(s):

Approximate Faculty/Staff Hours to Administer: