

**Career Cluster: Agriculture & Natural Resource**

**College: Spokane Community College**

**Program: LANDSCAPE-TURF (AA)**

**Course: AGHRT 104 – PRINCIPLES OF PEST MANAGEMENT**

Course Learning Outcomes:

- Understand how and why pests attack plants.
- Explain several ways to prevent and control pests.
- Find specific controls for pest problems.
- Discuss the pros and cons of pesticide use.
- Find information about pesticide laws.

**Related Prior Learning Outcomes**

**Program: WASHINGTON DEPARTMENT OF AGRICULTURE PESTICIDE LICENSE**

**License: PRIVATE APPLICATOR LICENSE**

License Learning Outcomes:

- 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.

**PLA Rubric Sample**

	<ul style="list-style-type: none"><li>• 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.</li><li>• Describe characteristics of weeds, chemical and non-chemical means of managing them, and herbicide activity, selectivity and resistance.</li><li>• Distinguish the major groups of plant pathogens and how they develop, are diagnosed and controlled.</li><li>• Understand the principles and legal considerations of vertebrate management as well as the various control methods.</li><li>• Washington State Department of Agriculture Private Applicator licensing exam.</li></ul>
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Course Credit: 5

Assessment Method(s):

Approximate Faculty/Staff Hours to Administer: