

**Career Cluster: Agriculture & Natural Resource**

**College: Yakima Valley Community College**

**Related Prior Learning Outcomes**

<p><b>Program: AGRICULTURE – VINEYARD TECHNOLOGY (AAS)</b></p> <p><b>Course: AG 125 – SAFETY &amp; LABOR MANAGEMENT</b></p>	<p><b>Program: WASHINGTON DEPARTMENT OF AGRICULTURE PESTICIDE LICENSE</b></p> <p><b>License: PRIVATE APPLICATOR LICENSE</b></p>
<p>Course Learning Outcomes:</p> <ul style="list-style-type: none"> <li>• Set up an effective safety management program for an on-farm production or general agribusiness enterprise.</li> <li>• Safely use pesticides as one component of integrated pest management programs.</li> <li>• Describe the causes of accidents and discuss the various costs associated with accidents.</li> <li>• Identify common safety hazards in the workplace.</li> <li>• Describe the purpose of safety training and explain the role of a safety coordinator.</li> <li>• Indicate how to correct hazards and develop and apply safety rules to prevent accidents.</li> <li>• Recognize a Material Safety Data Sheet and a pesticide label and obtain required information from them.</li> <li>• Recognize and describe the different classes of pesticides and pesticide formulations.</li> <li>• Apply principles of pesticide chemistry, rate, safety, and</li> </ul>	<p>License Learning Outcomes:</p> <ul style="list-style-type: none"> <li>• Understand federal and Washington State pesticide laws as well as other laws that affect pesticide users. Identify the various regulatory agencies responsible for enforcement.</li> <li>• Define different types of pesticide formulations and uses.</li> <li>• Identify parts of a pesticide label and understand the information contained on the label. Understand terminology associated with pesticide use.</li> <li>• Describe pesticide hazards and health concerns and measures in place to protect people from exposure.</li> <li>• Understand how to safely and legally use, store, transport, manage spills and dispose of pesticides.</li> <li>• Identify the environmental consequences of improper pesticide use.</li> <li>• Distinguish the different types of application equipment and how they are calibrated and maintained.</li> <li>• Define integrated pest management strategies.</li> </ul>

**PLA Rubric Sample**

<p>regulation to describe ways to minimize risk to the environment and the applicator.</p> <ul style="list-style-type: none"> <li>• Take the WSDA Private Pesticide Applicator license exam.</li> </ul>	<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: