

**Specification of Competency Standards**  
**for the Arboriculture & Horticulture Industry**  
**Unit of Competency**

Functional Area - Diagnosis and Treatment of Pests and Diseases

Title	Implement pest and disease control
Code	109128L2
Range	This unit of competency is applicable to frontline personnel who are engaged in pest and disease control in the arboriculture and horticulture industry. Practitioners should be capable of mastering the practical work skills of various control methods, and carrying out pest and disease control operations in accordance with the instructions of superiors and the requirements of the work plans.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to implementing pest and disease control</p> <ul style="list-style-type: none"> <li>• Comprehend the practical work skills of the implementation of physical control, chemical control and biological control</li> <li>• Possess knowledge of the techniques and safety of the application of tools and machinery in relation to pest and disease control</li> <li>• Possess knowledge of the application of chemicals in relation to pest and disease control, and the requirements of related legislation</li> <li>• Comprehend the working guidelines of the organisation on pest and disease control operations, and the content of the work plans</li> <li>• Comprehend the application of personal protective equipment</li> </ul> <p>2. Implement pest and disease control</p> <ul style="list-style-type: none"> <li>• Acquire suitable equipment and tools according to the requirements of the work plans, and check them before working to ensure that they function normally</li> <li>• Check the personal protective equipment donned and set up safety protection measures in the work areas</li> <li>• Undertake the practical work of pest and disease control according to the working procedures specified in the work plans, such as removing visible pests on plants, spraying pesticides, pruning infected branches and placing natural predators of pests</li> <li>• Dispose of the branches pruned from the infected plants properly</li> <li>• Record the progress of the operations and report the relevant status to superiors</li> <li>• Clean and disinfect used containers, tools and machinery thoroughly in accordance with the organisation's guidelines, and properly dispose of the remaining chemicals</li> </ul>
Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none"> <li>• Able to operate related tools to carry out pest and disease control operations in accordance with the instructions of superiors and the requirements of the work plans.</li> </ul>
Remark	