

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

Functional Area - Survey, Inspection and Risk Assessment

Title	Analyse the impact of invasive plants on the environment
Code	109138L5
Range	This unit of competency is applicable to technical personnel who are engaged in plant surveying in the arboriculture and horticulture industry. Practitioners should be capable of mastering the knowledge of invasive plants and their ecology. They should also be able to assess the information and data collected from plant surveys to analyse the impact of the invasive plants on the environment.
Level	5
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to analysing the impact of invasive plants on the environment</p> <ul style="list-style-type: none"> <li>• Possess knowledge of local invasive plants and their ecology</li> <li>• Comprehend the legislation, standards and knowledge related to nature conservation and control of invasive plants</li> <li>• Possess knowledge of local natural ecosystems and various ecological environments</li> <li>• Comprehend the application of plant surveys and related knowledge</li> </ul> <p>2. Analyse the impact of invasive plants on the environment</p> <ul style="list-style-type: none"> <li>• Analyse the sources and spread of the invasive plants according to the information and data collected from the surveying areas</li> <li>• Assess the distribution and affected areas of the invasive plants</li> <li>• Analyse the harmful effect of the invasive plants on the native species and their impact on the surrounding environment</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Refer to and make use of local and overseas research studies on the development of invasive plants to enhance the professional level of the analysis of invasive plants continuously</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Able to use professional knowledge to assess the information and data collected from plant surveys regarding the species of the invasive plants; and</li> <li>• Able to analyse the impact of the invasive plants on the environment.</li> </ul>
Remark	