



Australian Government

AHCPCM303 Identify plant specimens

Release: 2

AHCPCM303 Identify plant specimens

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to inspect plant specimens and describe the features and attributes of a plant for the purpose of plant identification and providing information to a client or organisation.

The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Plants culture and management (PCM)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Inspect plant morphological characteristics	1.1 Observe morphological, tactile and sensory characteristics of the plant specimens 1.2 Record observations and characteristics according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify the plant division by comparing plant specimen's characteristics with taxonomic classification
2. Determine status of health and effect on characteristics	2.1 Inspect the plant specimen for health conditions that affect plant characteristics 2.2 Recognise and record health characteristics indicative of plant that support identification
3. Identify the specimen	3.1 Use reference material to compare plant specimen's characteristics to taxonomic levels (categories) 3.2 Obtain and compare known images or samples to plant specimens 3.3 Analyse plant specimens for specific characteristics and identify to lowest level (category) of classification
4. Report on the process results	4.1 Compile observations and analysis of plant specimen's morphology according to workplace procedures 4.2 Record plant specimen's identity, observations, analysis and identifying characteristics according to workplace procedures 4.3 Report identification to client according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Analyses and consolidates data of plant characteristics with reference materials to determine plant identity
Writing	Accurately records information and prepares reports using clear and accurate language and terminology
Numeracy	Performs basic mathematical calculations to measurements of plant features for comparison to reference materials
Oral Communication	Clearly explains detailed information using language, tone and pace appropriate to audience
Navigate the world of	Takes responsibility for following explicit and implicit policies, procedures

Skill	Description
work	

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPCM303 Identify plant specimens Release 2	AHCPCM303 Identify plant specimens Release 1	Changes to Elements and Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHPCPM303 Identify plant specimens

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have identified plant specimens, including:

- identified and recorded key characteristics of plant morphology and identified to division level
- determined plant health and assessed effect on characteristics indicative to identification
- used reference materials to compare characteristics to taxonomic classification
- identified plant specimen to lowest level of taxonomic level (category)
- compiled identification data and recorded the identification and process according to workplace procedures
- reported outcomes to client according to workplace procedures.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices of plant identification, including:
 - plant health problems indicative of plant species
 - basic physiology and life cycle of pests and diseases
 - botanical terms for plant morphology, physiology
- symptoms of plant pests and diseases that mask characteristics for identification
- methods of data capture
- plant identification techniques
- problem-solving techniques
- soil characteristics particularly in relation to the local region
- plant characteristics including tactile and sensory

- levels (categories) of taxonomic classification.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - live plant specimens
 - tools and equipment necessary for plant observations
 - botanical reference materials, plant data bases, plant keys
- specifications:
 - workplace documents including procedures and processes for recording data and preparing reports
 - workplace instructions, specifications or client briefs
- relationships:
 - real clients.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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