

Modification history

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| Release | Comments |
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| <u>Release 2</u> | <u>This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 5.0.</u> |
| Release 1 | Initial release |

| AHPCCM502 | Collect and classify plants |
|--------------------------|---|
| Application | <p>This unit of competency describes the skills and knowledge required to collect and <u>classify plants, including preparing for plant collection, collecting plant specimens, preserving specimens and identifying plant specimens</u> using taxonomic keys.</p> <p><u>The unit applies to individuals who apply specialised skills and knowledge to the collection and classification of plants, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information and analyse, design and communicate solutions to sometimes complex problems.</u></p> <p><u>All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, sustainability and biosecurity practices.</u></p> <p>No <u>licensing, legislative or certification requirements apply to this unit at the time of publication.</u></p> |
| Prerequisite Unit | Nil |
| Unit Sector | Plants culture and management (PCM) |

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| Elements | Performance Criteria |
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| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1. Prepare for plant collecting | <p>1.1 Confirm <u>purpose and objectives for collecting a range of plants</u></p> <p>1.2 Define <u>area, location and habitat for collecting</u></p> <p>1.3 Determine and prepare resources to assist in locating and identifying plants</p> <p>1.4 Determine and prepare equipment required for collecting and preserving specimens</p> <p>1.5 Obtain licences or permission to collect specimens from landowner or managing agency</p> <p>1.6 Assess <u>range of likely operating conditions, hazards and difficult or sensitive environments for impact on collecting and preserving specimens</u></p> <p>1.7 Identify <u>workplace health and safety hazards associated with plant collecting, assess risks and implement controls</u></p> |
| 2. Collect plant specimens | <p>2.1 Observe collecting ethics when selecting specimens for picking</p> <p>2.2 Enter into a field note book relevant information about the specimen, its characteristics and occurrence and note location coordinates</p> <p>2.3 Confirm <u>specimen collected provides adequate material for identification and preserving</u></p> <p>2.4 Tag and store specimens for later identification</p> <p>2.5 Follow appropriate work health and safety requirements and work practices</p> |
| 3. Preserve specimens | <p>3.1 Preserve specimen while still fresh</p> <p>3.2 Clean and prepare specimen for preserving</p> <p>3.3 Preserve specimen using either pressing or drying techniques</p> <p>3.4 Mount dried specimen and label with information from notebook</p> |

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AHPCCM502 Collect and classify plants

| Elements | Performance Criteria |
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| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 4. Identify plant specimen | 4.1 Use relevant plant key to identify plant 4.2 Identify and document basic characteristics of a plant 4.3 Confirm plant identity against botanical description of species 4.4 Document plant identity on label |

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AHPCPM502 Collect and classify plants

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 |
|-----------------|---|
| <u>Reading</u> | <ul style="list-style-type: none"> Identify and interpret information regarding the collection of plants and the botanical description and plant key of plant specimens. |
| <u>Writing</u> | <ul style="list-style-type: none"> Develop a field note book and document relevant information about plant specimens Document plant identity on label |
| <u>Numeracy</u> | <ul style="list-style-type: none"> Document specimen collection date and location coordinates |

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Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|--|--|---|--------------------|
| AHPCPM502 Collect and classify plants <u>Release 2</u> | AHPCPM502, Collect and classify plants <u>Release 1</u> | <u>Performance criteria clarified</u> <u>Foundation skills added</u> <u>Assessment requirements updated</u> | Equivalent unit |

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

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AHPCPC502 Collect and classify plants

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| TITLE | Assessment requirements for AHPCPC502 Collect and classify plants |
| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. <u>There must be evidence that the individual has collected and classified plants on at least two occasions and has:</u> | |
| <ul style="list-style-type: none"> • <u>prepared</u> for plant collection. • <u>noted</u> the location, characteristics and occurrence of specimens at the point of collection • <u>cleaned</u>, <u>preserved</u>, <u>mounted</u> and <u>labelled</u> specimens • <u>used</u> a plant key to identify plants against the botanical description of the species. | |
| 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: | |
| <ul style="list-style-type: none"> • <u>principles and practices of plant classification</u> <ul style="list-style-type: none"> • herbarium collection techniques and ethics • physical and biological habitat types including vegetation associations and communities where appropriate • plant anatomy, physiology, morphology, taxonomy and nomenclature. | |
| Assessment Conditions | |
| Assessment of skills must take place under the following conditions: | |
| <ul style="list-style-type: none"> • <u>physical conditions:</u> <ul style="list-style-type: none"> • <u>A workplace setting</u>, or an environment that accurately represents workplace conditions. • <u>resources, equipment and materials:</u> <ul style="list-style-type: none"> • <u>plants</u> • <u>plant specimen collection and preservation equipment and materials</u>. • <u>field note book</u>. • <u>specifications:</u> <ul style="list-style-type: none"> • <u>plant key</u>. • <u>herbarium collection techniques and ethics</u>. • <u>timeframes:</u> <ul style="list-style-type: none"> • <u>according to job requirements</u>. | |
| Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. | |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |

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The candidate must demonstrate knowledge of:¶
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[e.g. use of workplace instructions/job specifications/client briefs]¶
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