



Australian Government

Assessment Requirements for AHCPCM308 Identify and select plants

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- identified a minimum of 50 plants to common name and scientific name without using reference material
- identified an additional 30 plants to scientific name using reference material, including online resources
- selected a group of plants based on their function for use in three different scenarios.

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:

- basic principles of plant growth and development, including:
 - photosynthesis, light levels, quality and quantity
 - respiration, oxygen movement
 - transpiration, water movement within a plant
 - leaf structure and function, including chlorophyll and stomata
 - stem structure and function, including trunk, vascular structure, xylem, phloem, cambium and meristems
 - root structure, types and function
 - flower, fruit and seed structure
 - plant growth and life cycles, perennial, annual, evergreen, deciduous, dormancy
 - plant cultural requirements, soil, light levels, water, disease and pest protection, temperatures and drainage
 - plant identification techniques, plant selection, and habit and growth characteristics of the plants
 - soil characteristics and texture, in relation to the local region

- taxonomy at the family, genus, species and cultivar level
- grouping of plant types, including:
 - trees
 - shrubs
 - perennials and annuals
 - herbs
 - grasses.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plants, cuttings and live specimens
 - reference material applicable to identifying and selecting plants
 - computer hardware and software.

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.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>