



Australian Government

Assessment Requirements for AHCPER216 Harvest, treat and store seed

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 harvested, treated and stored seeds and has:

- confirmed seed harvesting plan and work requirements with supervisor
- prepared equipment for harvesting, cleaning and storing of seed
- harvested seeds safely according to harvesting plan, which must include any two (2) of the following seed types:
 - seeds of soft fruits
 - monocotyledon (grasses and grains)
 - leguminous seeds
 - woody plants with dry dehiscent seed
 - herbaceous plants
- separated seed from chaff or other waste material, which must include three (3) different seed extraction methods
- treated and stored viable seed
- maintained accurate records.

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:

- seed harvesting techniques, including:
 - materials, equipment and resources
 - health and safety
 - field storage containers for harvested seed
 - protection of plants being harvested
- characteristics of mature viable seed

- diseases and pests likely to affect seed on the plant or in storage
- seed extraction methods, including:
 - hand selection
 - winnowing
 - sieving
 - vibration
 - flotation and fermentation
 - drying
 - heat-assisted dehiscing
 - crumbling of husks
- practices relating to seed harvesting and storage, including:
 - containers, including re-used jars, boxes and packets
 - cool, dry location
 - freezer or refrigerator
 - pest deterrent mechanisms
 - light exclusion
 - protection treatments against pathogens
- records and information required in the field and storage of seed:
 - genus, species, family, variety and cultivar information
 - provenance – where the seed came from
 - weight or number
 - date collected
 - place collected
 - collector
 - cultural advice or growing conditions
 - seed pre-treatment advice
 - longevity information
- storage location information or record locator.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in the field or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plants with seed to harvest
 - seed collection tools and equipment
 - personal protective equipment

- specifications:
 - workplace safety procedures
 - manufacturer operating instructions for harvesting equipment
 - access to safety data sheets for treatments
 - supervisor instructions and harvesting plan
 - access to permits for seed collection
- relationships:
 - supervisor.

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>