



Australian Government

AHCSDT310 Identify seeds

Release: 1

AHCSDT310 Identify seeds

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to recognise and identify seeds and provide samples to the seed reference collection.

The unit applies to individuals who work as seed analysts including enterprise requirements and procedures. They have responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.

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

Pre-requisite Unit

Nil

Unit Sector

Seed Testing (SDT)

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. Prepare for seed identification	1.1 Verify seeds requiring identification against documentation 1.2 Prepare resources and equipment for identification 1.3 Identify, select and prepare processes for seed identification
2. Identify seed	2.1 Examine seed and record physical characteristics 2.2 Identify specified seeds according to their characteristics and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	reference material 2.3 Record botanical name of seed according to workplace procedures 2.4 Seek advice to confirm identification when undecided
3. Update the reference collection	3.1 Consult supervisor for possible addition of seed to reference collection 3.2 Document information and add seed to reference collection 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	Use reference materials to compare physical characteristics with seed species for accurate identification
Writing	Document identified seeds accurately according to botanical naming convention

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCSDT310 Identify seeds	AHCSDT302 Identify seeds	Edited Application for clarity Minor changes to Performance Criteria for clarity Foundation Skills refined Performance Evidence and Knowledge Evidence clarified	Equivalent

		Amended structure of Assessment Conditions	
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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 AHCSDT310 Identify seeds

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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 the individual has accurately identified the seeds of at least ten different crop plants to species level and has:

- prepared for seed identification
- identified botanical name of seed according to nomenclature specified in workplace procedures
- contributed to workplace seed reference collection.

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:

- binomial nomenclature
- basic botany and concepts required for seed identification
- seed identification techniques
- workplace and/or legal traceability requirements
- workplace procedures
- tools and testing methods
- work health, safety and environmental requirements in seed testing conditions
- role of workplace seed reference collections
- role of the International Seed Testing Association (ISTA) and the ISTA Rules for Seed Testing

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 a seed testing laboratory, on a farm or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - seeds requiring identification
 - seed identification reference materials, tools and equipment
- specifications:
 - workplace policies, procedures, processes and forms for seed testing
 - laboratory or workplace instructions and specifications
- relationships:
 - supervisor(s).

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

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