



Australian Government

AHCSDP405 Inspect a seed crop for quality assurance purposes

Release: 1

AHCSDP405 Inspect a seed crop for quality assurance purposes

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to undertake a field inspection and prepare a report on a commercial seed production crop. It applies to workers on properties where commercial seed production is undertaken.

It applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

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

Seed production (SPD)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for field inspection	1.1 Research paddock history and crop type before inspection 1.2 Determine inspection date according to suitable crop growth stage and related activities 1.3 Arrange a suitable time for crop inspection with grower 1.4 Check and prepare vehicle, machinery, equipment and recording materials before undertaking crop inspection

Element	Performance criteria
2. Undertake a visual analysis of a commercial seed crop	2.1 Identify weed species visually and record weed counts or density 2.2 Inspect visually and record insect/disease damage 2.3 Inspect visually and record the varietal identity of crop 2.4 Inspect visually and record varietal purity of crop, i.e. the presence of off-types 2.5 Estimate yield by counting crop plants using a quadrat or rule
3. Complete an inspection report	3.1 Document and analyse results of visual inspection 3.2 Determine the quality and suitability of the crop for commercial and/or regulatory production 3.3 Record the determination in a crop inspection report and forward to relevant parties
4. Complete decontamination procedure prior to leaving site	4.1 Check and clean vehicles, machinery and equipment of seeds, soil and other contaminants 4.2 Check and clean clothing and footwear of seeds, soil and other contaminants 4.3 Dispose of contaminants and other foreign materials

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCSDP405A Inspect a seed crop for quality assurance purposes.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AHCSDP405 Inspect a seed crop for quality assurance purposes

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- prepare for a field inspection
- visually analyse a commercial seed crop
- complete a crop inspection report
- classify seed to species and/or variety level
- update seed reference collection
- use taxonomic terms to describe seed
- carry out decontamination prior to leaving a site

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of seed crop inspection
 - concepts of disease pressure
 - concepts of pest pressure
 - crop sampling techniques and use of quadrats
 - crop/seed certification systems for example Organisation for Economic Co-operation and Development (OECD), Australian Seed Authority (ASA)
 - field inspectors reports
 - hygiene requirements for crop inspectors
 - plant breeders' rights
 - relevant health, safety and environment requirements
 - requirements of Australian Quarantine Inspection service (AQIS) and AQIS Authorised Officers (AAO) phytosanitary reports

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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