



Australian Government

Assessment Requirements for AHCSP0309 Process planting seed

Release: 1

Assessment Requirements for AHCSPO309 Process planting seed

Modification History

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

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 on at least one occasion processed planting seed or grains according to a defined quality specification and must include at least 3 of the following processes:

- separated seed from impurities and contaminants
- graded seed by size
- graded seed by weight/density
- graded seed by deformity
- graded seed by colour
- modified seed

There must also be evidence that the individual has:

- identified seed, location and volume requiring processing
- coordinated access and storage of seeds with seed storage schedule
- selected, set up and prepared seed processing machinery and equipment
- fitted and used PPE
- operated seed processing machinery safely within manufacturer specifications and identified irregularities
- complied with biosecurity guidelines to prevent cross contamination
- monitored seed processing and implemented mitigation procedures to maintain quality
- maintained safe and efficient seed storage during processing
- shut down, cleaned and maintained seed processing equipment
- maintained records and reporting according to workplace procedures.

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 understanding of seed biology in relation to viability and seed cleaning processes

- principles and practices for operating seed processing machinery, including:
 - safety equipment and safe operation of machinery
 - operator servicing and maintenance
 - calibration and settings for quality outcomes of different seed and grain types
- the basic principles of seed processing equipment, their operation and effects on seeds, including:
 - screen cleaners
 - indent cylinder
 - gravity tables
 - airlegs and winnowers
 - seed modification machinery for de-awners, clippers and scarifiers
 - optical/colour sorters
 - floatation tanks
 - magnetic rollers
 - dryers
 - spirals
 - velvet rollers
- workplace health and safety in the seed treatment process, including personal protective equipment (PPE)
- basics of programmable logic controller/treatment control systems and electrical process for seed processing equipment
- operation and maintenance of seed processing machinery
- seed storage requirements and scheduling during seed processing
- biosecurity and cross contamination during seed processing
- seed and grain quality standards affecting seed processing, equipment setup and monitoring
- record keeping and reporting procedures.

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 processing plant, a farm or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - seed processing machinery and equipment
 - tools and equipment for calibration and adjustments
 - use of specific items of personal protective equipment
- specifications:
 - workplace procedures

- manufacturer operating instructions for equipment
- workplace instructions and specifications
- 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>