



Australian Government

Assessment Requirements for AHCBAC205 Assist agricultural crop establishment

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 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 assisted in the establishment of at least one agricultural crop in a broad acre setting, including:

- communicated with supervisor and team members and followed instructions and crop production plan
- performed paddock and ground preparations ready for planting including:
 - applied pre-planting soil treatments according to instructions
 - prepared planting equipment
- performed planting operations according to instructions and crop production plan including:
 - treated and planted crop
 - applied soil amendments if required
 - applied weed control treatments
- operated a range of crop establishment machinery or technology
- maintained records of preparation and planting according to workplace procedures
- used and maintained personal protective equipment (PPE)
- followed workplace work health and safety, biosecurity and environmental 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 principles of broad acre cropping and their establishment, including:
 - importance of correct timing and procedures for crop planting
 - field hygiene, biosecurity and quality control for crop establishment
 - a range of pre-planting soil treatments and amendments, their application and importance

- basics of managing previous crops including, cutting, slashing, rolling and burning stubble
- accumulation of waste and its disposal, including:
 - impact on the environment
 - types of waste common to cropping
 - procedures for the disposal of containers, leftover fluids, organic materials and other debris
- workplace health and safety, risks and hazards, including:
 - responsibilities for following safety instructions/directions
 - application and handling of agricultural chemicals
 - materials handling
- preparation and operation of common farm machinery used in crop establishment, including:
 - machinery operation and safety
 - manufacturer specifications
 - workplace procedures
- basic principles of precision agriculture and the role of technology in improving efficiencies, including:
 - self-drive, auto steer, global navigation satellite systems (GNSS) and laser technologies
 - digital and remote sensors
 - remote piloted systems
 - controlled traffic farming (CTF) principles and impacts
 - variable rate technology (VRT)
 - integrated pest and weed management techniques
- communication with team members and supervisor
- calculations and measurements required for:
 - determining quantities of materials for treatments and amendments
 - determining crop row spacing and density.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated on a broad acre farm or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - seeds or plants for planting
 - broad acre crop planting tools machinery and equipment or technology
 - personal protective equipment

- specifications:
 - workplace procedures and processes
 - manufacturer operating instructions for tools, equipment and machinery
 - specific safety data sheets for treatments and fertilisers
 - instructions and plans for planting
- relationships:
 - team member(s) and supervisor(s)

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>