



Australian Government

Assessment Requirements for AHCBAC316 Maintain agricultural crops

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 on at least one occasion maintained an agricultural crop from post seeding to pre harvest and has:

- detected differences and variations in crop growth and reported outcomes to supervisor
- observed and reported health of the crop, including:
 - monitored pests and diseases
 - assessed crop maturity
 - applied treatments and fertilizers according to crop production plan
- measured soil moisture and assessed crop water requirements
- maintained records and documentation
- checked and maintained machinery, equipment or technology
- followed workplace health and safety procedures, including use of personal protective equipment (PPE)
- followed biosecurity and environmental procedures and policies.

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:

- legislative requirements, manufacturer instructions and workplace procedures/instructions
- potential hazards associated with the operation of basic tools and equipment
- general machine maintenance procedures
- machinery operating principles and safe operating methods
- environmental impacts associated with the operation of machinery and equipment
- 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)
- soil moisture testing, assessment and crop water requirements, including types and application of irrigation systems used in broadacre farming
- workplace recording and reporting procedures
- health and vigour of developing crop, including:
 - symptoms of crop lacking health and vigour
 - signs of pest and disease infestation
 - moisture stress
 - nutrient deficiencies
- hygiene and biosecurity requirements for agricultural crops and equipment
- types and uses of herbicides, insecticides and other pesticides and alternative pest control methods (non-chemical), including:
 - integrated pest and weed management techniques
 - pesticide policies and procedures
 - legislative requirements
- workplace health and safety, including:
 - broadacre farm hazards, risks and controls
 - power lines and elevated equipment safety
 - farm fire safety for dried crops, stubble and accumulation in equipment.

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 broadacre farm or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools, machinery and equipment or technology
 - soil moisture testing probes
 - fertilisers, ameliorants and treatments
 - personal protective equipment (PPE)
- specifications:
 - workplace policies and procedures
 - manufacturer operating instructions for tools, equipment and machinery
 - workplace plans 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.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>