



Australian Government

Assessment Requirements for AHCBAC515 Manage forage conservation

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, planned, prepared and administered a full cycle of forage crop for conservation and has:

- assessed and selected a forage conservation system for farm
- developed a cost benefit analysis for forage conservation options
- identified resource requirements and produced a budget including:
 - crop inputs
 - harvest area
 - machinery and contractors
 - labour
 - storage type and sites
- determined cultural requirements and timing of crop, including:
 - crop species/variety
 - fertilisers and amelioration
 - irrigation
 - pest and weed control
 - grazing regimen
- planned and monitored harvesting operations
- conducted quality checks of stored forage
- selected forage conservation machinery and technologies for efficient forage crop harvesting
- managed harvest operations, forage preparation and storage of forage according to plan
- communicated work activities and performance targets to work team and contractors
- ensured waste is disposed ethically to reduce environmental impact
- maintained records of operations

- monitored the implementation of workplace health, safety, biosecurity and environmental 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:

- forage conservation options and cost benefit analysis
- silage and hay conservation systems, including:
 - baling
 - wrapping
 - compacting
 - sealing
 - final storage
- factors affecting the quality of silage and hay
- dry matter content, quality, hygiene and biosecurity requirements
- range and functions of silage and haymaking machinery and equipment and the technologies that support efficiencies, including:
 - self-drive, auto steer, global navigation satellite systems (GNSS) and laser technologies
 - controlled traffic farming (CTF) principles and impact
 - variable rate technology (VRT)
 - remote piloted systems
 - digital and remote sensing and monitoring
- weeds, pests and diseases associated with crops and pastures, including:
 - infestation patterns and methods of control
 - cultural and mechanical controls
 - integrated pest management strategies
- types and application of personal protective equipment
- work health and safety legislation and regulations, including:
 - licensing requirements in relation to forage operations
 - chemical and hazardous substances
 - fire safety and management
 - personal protection
 - working at heights and confined spaces with storage bins
 - power lines and elevated equipment safety
 - forage handling, loading, transported and storage
- risk factors affecting production and harvesting, including:
 - human and animal health
 - weather and impact on crop quality and harvesting
 - environmental including, nutrient levels at field out areas and effluent run-off

- irrigation, soil moisture and erosion
- workplace and industry biosecurity and environmental policies and practices.

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 suitable for forage conservation crop production or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - forage conservation crop
 - chemicals and consumables for fertilising and treating crops
 - computer or analogue financial models and formats
- specifications:
 - workplace policies, procedures and processes
 - safety data sheets
 - legislation and codes of practice relevant to forage conservation crop production.
- relationships:
 - work team and contractors.

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>