



Australian Government

Assessment Requirements for AHCBAC410 Plan and implement a pasture establishment program

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 prepared and planned a pasture establishment program and has:

- determined a pasture establishment program consistent with the following parameters:
 - seasonal conditions
 - site and soil characteristics
 - production plans
 - additional available resources and equipment
- identified a suitable pasture species for the site and proposed land use and selected suitable species and cultivars
- prepared and documented a pasture establishment program which must include:
 - tools, equipment and machinery or technology required for planting
 - post-planting treatments
 - identification of suppliers, contractors and other personnel
 - materials and consumables
 - procedures for work team to easily follow
 - soil moisture management
- assessed site pasture for production potential
- assessed site factors influencing production
- identified threats to pasture establishment, including:
 - weeds
 - pests
 - diseases
- developed strategies for weed, pest and disease control
- determined resources and equipment for planting and post-planting care
- prepared plans, procedures and schedules for pasture establishment

- planned appropriate use of technology to improve efficiency
- incorporated and implemented workplace health, safety, environmental and animal welfare policies in plans and procedures
- implemented, monitored and recorded outcomes of pasture establishment program
- reviewed and documented changes to pasture establishment program.

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:

- selection and use of pasture varieties, including:
 - characteristics
 - requirements
 - production potential
- pasture establishment techniques of specific species and cultivars
- advantages and disadvantages of a range of pasture establishment procedures
- maintenance requirements and practices for specific pasture species and cultivars after initial establishment
- livestock production systems and their integration with pasture production
- planning process, including:
 - costing
 - scheduling of works
- preparation and documentation of procedures
- identification of pasture problems and threats, including:
 - weed species
 - vertebrate and invertebrate pests
 - diseases
 - soil conditions
 - integrated pest and weed management techniques
- role of pasture in sustainable land use
- soil moisture management strategies for pastures
- 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)
- workplace health and safety, legislative requirements and enterprise policies and procedures, including:
 - safety in the workplace

- chemical and hazardous substances
- fire safety
- personal protection
- environmental impacts of pasture establishment
- reviewing plans and programs, including:
 - monitoring implementation and importance of records
 - assessing programs in need of change
 - updating and changing programs and their related 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 on a broadacre farm with pasture suitable for livestock production or an environment that accurately represents workplace conditions
- relationships
 - work team
- resources, equipment and materials:
 - planning and project management tools
 - word processing equipment for documentation
- specifications:
 - workplace policies, procedures and processes
 - safety data sheets
 - workplace production plans, specifications and financial budget formats
 - legislation and codes of practice relevant to livestock production.

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>