

AHCBAC402 Plan a pasture establishment program

Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

AHCBAC402	Plan a pasture establishment program
Application	<p>This unit of competency describes the skills and knowledge required to plan a pasture establishment program.</p> <p>The unit applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Broad Acre Cropping (BAC)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine requirements of the pasture establishment program	1.1 Assess existing pasture for retention or removal 1.2 Identify pasture species and cultivars suitable to soil, climate, seasonal conditions and livestock goals 1.3 Calculate cost and confirm availability of pasture species with supplier 1.4 Select pasture establishment procedures consistent with site parameters 1.5 Assess and program the use of technology to ensure most efficient performance of operations 1.6 Plan post-planting care according to production needs, enterprise standards and site capabilities. 1.7 Identify and plan for plant germination and nutrient requirements according to soil characteristics 1.8 Identify, cost and confirm availability of materials and resources 1.9 Identify health and safety hazards, assess risk and develop controls
2. Prepare and document the pasture establishment program	2.1 Prepare detailed plans according to identified production requirements 2.2 Produce procedures and documentation for work team to follow 2.3 Develop on-site planting procedures and schedules 2.4 Develop post-planting procedures for care of pasture 2.5 Communicate procedures to work team 2.6 Plan for contingencies and identify alternative strategies

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Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Research and analyse documentation for pasture species to identify suitable species for a defined site and purpose
Writing	<ul style="list-style-type: none"> Develop and document plans and procedures for work team using clear and easily understood language in order to convey explicit information, requirements, recommendations and performance targets.
Oral Communication	<ul style="list-style-type: none"> Use collaborative and inclusive language and techniques including active listening, questioning and reading of verbal and non-verbal signals to convey and clarify procedural information and confirm work team understanding
Numeracy	<ul style="list-style-type: none"> Use formula and numerical information to calculate financial data and interpret basic statistical and analytical data Apply basic financial modelling skills to identify, analyse and evaluate budgetary information, time durations and resource allocations and scheduling

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBAC402 Plan a pasture establishment program Release 2	AHCBAC402 Plan a pasture establishment program Release 1	Changes to Application. Changes to sequencing and amendments to Performance Criteria. Added Foundation Skills. Updated Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent

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

TITLE	Assessment requirements for AHCBAC402 Plan a pasture establishment program
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has prepared and planned a pasture establishment program and has:</p> <ul style="list-style-type: none"> • determined a pasture establishment program consistent with the following parameters: <ul style="list-style-type: none"> • seasonal conditions • site and soil characteristics • production plans • additional available resources and equipment • researched and 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: <ul style="list-style-type: none"> • tools, equipment and machinery required for planting • post-planting treatments • identify suppliers, contractors and other personnel • materials and consumables • procedures for work team to easily follow • developed strategies for weed, pest and disease control • assessed site pasture for production potential • assessed site factors influencing production • identified threats to pasture establishment, including: <ul style="list-style-type: none"> • weeds • pests • diseases • soil conditions • determined resources and equipment for planting and post-planting care • prepared pasture establishment plans and procedures and schedules for pasture establishment • planned the use of technology to improve efficiency • incorporated and implemented workplace health, safety, environmental and animal welfare policies in plans and procedures. 	

Commented [RB1]: Is once enough?

Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • selection and use of pasture varieties, including: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • costing • scheduling of works • preparation and documentation of procedures • identification of pasture problems and threats, including: <ul style="list-style-type: none"> • weed species • vertebrate and invertebrate pests • diseases • soil conditions • role of pasture in sustainable land use 	

Knowledge Evidence

- role of technology in improving efficiencies, including:
 - self-drive, global position systems (GPS) and laser technologies
 - remote sensors
 - remote piloted systems
 - controlled traffic farming (CTF) principles and impacts
- 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.

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 farm with property suitable for pasture for livestock production or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - use of planning and project management tools
 - access to word processing for documentation
- specifications:
 - use of workplace policies, procedures and processes
 - access to safety data sheets
 - access to workplace production plans, specifications and financial budget formats
 - access to 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.

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