



Australian Government

Department of Education, Employment and Workplace Relations

AHCLSK416A Identify and select animals for breeding

Release: 1

AHCLSK416A Identify and select animals for breeding

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers identifying and selecting animals for breeding and defines the standard required to: determine selection criteria according to enterprise goals; implement strategies to cull animals for conformation and/or productivity; apply selection criteria to identify animals to be retained for breeding; select animals that conform to the requirements of a breeding strategy.
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Application of the Unit

Application of the unit	This unit applies to supervisors and managers on livestock farms.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Identify breeding selection criteria	1.1. Enterprise production records are referenced and enterprise production goals are reaffirmed in the breeding program. 1.2. The heritabilities of the desired performance characteristics are sourced and the potential for genetic improvement is identified. 1.3. Criteria for selection are determined and recorded in the production plan.
2. Select animals for breeding	2.1. Animals are accurately assessed against selection criteria. 2.2. Culling and replacement practices are determined and organised to improve the performance of the enterprise breeding program. 2.3. Selected livestock are checked and monitored to ensure condition and welfare status is maintained according to breeding program requirements. 2.4. Tests are conducted using recognised industry methods and evaluated within appropriate breeding program parameters.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- develop selection criteria for a breeding program
- select animals that have defects in conformation
- select animals that display characteristics associated with desirable genetic traits
- select animals according to a breeding program's selection criteria
- record performance information
- use literacy skills to read, interpret and follow organisational policies and procedures, develop sequenced written instructions, record accurately and legibly information collected and select and apply procedures to a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record routine and more complex workplace measures and data

REQUIRED SKILLS AND KNOWLEDGE

- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- principles of genetic selection for multi traits
- structural abnormalities and their potential impact on production
- correlated traits
- market requirements and related physical traits
- selection criteria to be applied
- strategies for animal selection - individual traits, measured performance, Estimated Breeding Value (EBVs), indexes
- environmental codes of practice with regard to livestock production.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:

- determine selection criteria according to enterprise goals
- implement strategies to cull animals for conformation and/or productivity
- apply selection criteria to identify animals to be retained for breeding
- select animals that conform to the requirements of a breeding strategy.

Context of and specific resources for assessment

Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole.

Livestock may include:

- sheep
- goats
- beef cattle
- alpacas
- deer
- dairy cattle
- pigs.

Unit Sector(s)

Unit sector	Livestock
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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