



Australian Government

AHCLSK509 Develop and implement a breeding strategy

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.

Application

This unit of competency describes the skills and knowledge required to assess breeding requirements, select livestock for breeding, and monitor and evaluate the breeding program.

The unit applies to individuals who apply specialist skills and knowledge to develop and implement a breeding strategy, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, animal welfare legislative, regulatory and codes of practice requirements, and sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Livestock (LSK)

Elements and Performance Criteria

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. Plan breeding program	1.1 Assess and clarify breeding requirements to meet workplace production goals 1.2 Identify and arrange resources to support breeding requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Select breeding options to optimise results and consistency 1.4 Undertake economic assessment to establish the feasibility of the breeding objectives 1.5 Formulate breeding program to meet workplace objectives, and ensure sufficient flexibility to accommodate contingencies
2. Select livestock for breeding	2.1 Determine selection criteria for the visual and objective methods of selecting livestock based on heritability and economic returns for the workplace 2.2 Establish culling and replacement practices to maintain or improve herd or flock size, animal ratios and grade of livestock 2.3 Assess genetic gain potential to determine and justify herd or flock structure 2.4 Source suitable genetic material to optimise genetic gain within the herd or flock 2.5 Check and monitor selected livestock to ensure condition and welfare status meets breeding program requirements 2.6 Carry out measurements of production and genetic characteristics, and evaluate results within appropriate breeding program requirements
3. Monitor breeding program	3.1 Supervise implementation of the breeding program for efficiency and effectiveness 3.2 Prioritise and implement changes necessary to achieve breeding aims according to breeding program requirements 3.3 Examine and control allocated resources within workplace budgetary constraints 3.4 Maintain safe workplace and environmentally responsible practices according to workplace health and safety procedures and environmental and biosecurity legislation, regulations and workplace procedures 3.5 Observe and comply with animal welfare industry standards, legislation and codes of practice and procedures relevant to livestock production
4. Evaluate breeding program	4.1 Review breeding program processes and outcomes against organisation objectives 4.2 Assess performance of facilities, resources and equipment for effectiveness and efficiency

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.3 Assess effectiveness of selection criteria for contribution to achievement of breeding aims and workplace profitability 4.4 Document relevant information for continual assessment and to inform future practice

Foundation Skills

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.

Skill	Description
Reading	Critically analyse documentation from a range of sources to identify specific criteria, and consolidate information to determine requirements for breeding program and livestock production
Writing	Use clear language, accurate industry terminology and logical structure to prepare breeding strategy documentation
Numeracy	Use mathematical concepts to calculate, compare and estimate numerical and financial data required for planning and forecasting livestock production and breeding activities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSK509 Develop and implement a breeding strategy	AHCLSK503 Develop and implement a breeding strategy	Minor changes to application minor changes to performance criteria foundation skills updated assessment requirements updated	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>