



**Australian Government**

# **AHCLSK503 Develop and implement a breeding strategy**

**Release: 2**

## AHCLSK503 Develop and implement a breeding strategy

### Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 2.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

### 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 managers of livestock properties who are responsible for breeding programs and use of resources appropriate to meet property breeding aims. They take responsibility and exercise autonomy in undertaking complex work analysing, designing and communicating solutions to sometimes complex problems.

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

Work health and safety and animal welfare legislation relevant to interacting with horses applies to workers in this industry. Requirements vary between industry sectors and state/territory jurisdictions. Users are advised to check with the relevant authority for specific requirements.

### Pre-requisite Unit

Nil

### Unit Sector

Livestock (LSK)

### Elements and Performance Criteria

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1. Plan breeding program	<p>1.1 Assess and clarify breeding requirements to meet property or organisational aims</p> <p>1.2 Identify and arrange resources to support breeding requirements</p> <p>1.3 Select breeding options to optimise results and consistency</p> <p>1.4 Undertake economic assessments to establish the feasibility of the breeding objectives</p> <p>1.5 Formulate breeding program to meet organisation objectives, and ensure sufficient flexibility to accommodate contingencies</p>
2. Select livestock for breeding	<p>2.1 Determine selection criteria for the visual and objective methods of selecting livestock based on heritability and economic returns for the property</p> <p>2.2 Establish culling and replacement practices to maintain or improve appropriate herd size, animal ratios and grade of livestock</p> <p>2.3 Assess genetic gain potential to determine and justify herd or flock structure</p> <p>2.4 Source genetic material to optimise genetic gain within the herd or flock from suitable sources</p> <p>2.5 Check and monitor selected livestock to ensure condition and welfare status meets breeding program requirements</p> <p>2.6 Carry out measurements of production and genetic characteristics, and evaluate results within appropriate breeding program requirements</p>
3. Monitor breeding program	<p>3.1 Supervise implementation of the breeding program for efficiency and effectiveness</p> <p>3.2 Prioritise and implement changes necessary to achieve breeding aims according to breeding program requirements</p> <p>3.3 Examine and control allocated resources within organisation budgetary constraints</p> <p>3.4 Maintain safe workplace and environmentally responsible practices in line with industry and organisation work health and safety and environment sustainability requirements</p> <p>3.5 Observe and comply with relevant legislative requirements associated with livestock production, such as animal welfare and biosecurity requirements</p>

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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 4.3 Assess effectiveness of selection criteria for contribution to achievement of breeding aims and organisation profitability 4.4 Document relevant information for continual assessment 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.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Critically analyse documentation from a variety of sources to identify specific criteria, and consolidate information to determine requirements for breeding program and livestock production</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Consolidate and logically structure relevant information to produce clear and concise documentation relevant to purpose and audience</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Use mathematical concepts to calculate, compare and estimate numerical and financial data required for planning and forecasting livestock production and breeding activities</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Take responsibility to ensure organisational policies, procedures and regulatory requirements relevant to livestock breeding program are being met</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Select and uses appropriate conventions and protocols when communicating with others in a range of work contexts</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Monitor progress of plans and schedules, and review and change to meet new demands and priorities</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSK503 Develop and implement a breeding strategy Release 2	AHCLSK503 Develop and implement a breeding strategy Release 1	Minor changes to clarify intent of element 1  Safety requirements and foundation skills descriptions added	Equivalent unit

## Links

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