



Australian Government

Assessment Requirements for AHCLSK503 Develop and implement a breeding strategy

Release: 2

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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.

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit.

There must be evidence that the individual has developed and implemented a minimum of one breeding strategy for an operation or property, including:

- identifying genetic information for existing and potential livestock through breed data
- using industry programs to benchmark and identify sources of genetic material
- developing a breeding objective
- implementing selection strategies for livestock
- implementing animal welfare strategies to handle livestock safely and humanely
- monitoring progress in a breeding program and undertaking reviews
- evaluating breeding program
- documenting and reviewing data derived from the breeding strategy
- maintaining a safe and hazard-free workplace environment
- monitoring and minimising impacts to the environment.

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:

- difference between genotype and phenotype, the heritability of genetic traits and the basic genetic theory related to genetic correlation of traits
- relevance of generation interval in relation to commercial improvement
- relevance of estimated breeding values in the development of a multi-trait selection strategy
- economic impact of production characteristics

- features of and measurement of production and genetic characteristics used in breeding programs
- relevant work health and safety and biosecurity requirements, and animal welfare and environment sustainability practices
- key requirements of regulations and codes of practice relevant to developing and implementing a breeding strategy, including:
 - work health and safety
 - animal welfare
 - biosecurity
 - sustainability practices.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- specifications:
 - work instructions and workplace procedures relevant to developing and implementing a breeding strategy
 - organisational documentation relating to breeding information and financial arrangements required to develop a breeding strategy.

Training and assessment strategies must show evidence of the use of guidance provided in the *Companion Volume: User Guide: Safety in Equine Training*.

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>