



Australian Government

Assessment Requirements for AHCAIS402 Supervise artificial breeding and embryo transfer programs

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.

Performance Evidence

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

There must be evidence that the individual has supervised a livestock artificial breeding or an embryo transfer program on at least one occasion, and has:

- determined breeding method
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations, and workplace procedures
- implemented breeding method
- applied workplace animal welfare practices
- monitored and maintained breeding program.

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:

- workplace requirements applicable to health and safety in the workplace for supervising livestock artificial breeding and embryo transfer programs, including appropriate use of personal protective equipment (PPE)
- environment and biosecurity legislation and regulations and workplace practices relevant to supervising livestock artificial breeding and embryo transfer programs
- principles and practices of livestock artificial breeding and embryo transfer programs, including:
 - animal welfare industry standards, legislation and codes of practice and procedures relevant to supervising livestock artificial breeding and embryo transfer programs
 - codes of practice, industry standards and procedures for livestock artificial insemination and embryo transfer
 - resources requirements, types and characteristics of livestock artificial breeding methods and programs

- advantages, disadvantages and cost-benefit analysis of livestock artificial breeding programs for the livestock workplace
- requirements, methods and procedures for sourcing, acquiring, transporting and storing genetic material
- reproductive physiology, reproductive behaviour and pregnancy development of female livestock
- procedures for artificial insemination
- procedures for embryo transfer
- causes, signs, treatment and management of reproductive diseases and complications in female livestock
- methods and procedures for improving the success of livestock artificial breeding programs and their impacts on herd performance
- documentation and record requirements.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - work instructions and workplace procedures applicable to supervising livestock artificial breeding and embryo transfer programs
 - live animals
 - materials, tools and equipment applicable to supervising livestock artificial breeding and embryo transfer programs
 - PPE applicable to supervising livestock artificial breeding and embryo transfer programs
- specifications:
 - workplace requirements applicable to health and safety in the workplace for supervising livestock artificial breeding and embryo transfer programs
 - environment and biosecurity legislation and regulations and workplace practices applicable to supervising livestock artificial breeding and embryo transfer programs
 - industry standards, legislation and codes of practice and procedures for animal welfare applicable to supervising livestock artificial breeding and embryo transfer programs
- timeframes:
 - according to job requirements.

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>