



Australian Government

Assessment Requirements for AHCAIS304 Artificially inseminate livestock

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 successfully artificially inseminated at least ten separate animals with an accuracy of over 85 percent, and has:

- prepared for insemination
- prepared equipment and work sites
- identified and controlled potential hazards and risks according to workplace procedures
- followed relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- followed workplace animal welfare and hygiene practices
- correctly selected and thawed semen for insemination
- restrained and inseminated animals using species specific techniques and recognised methods that reduce stress
- completed documentation and records
- cleaned work area and equipment.

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:

- environment and biosecurity legislation and regulations and workplace practices relevant to artificial insemination (AI) of livestock
- workplace requirements applicable to health and safety in the workplace for AI of livestock, including appropriate use of personal protective equipment (PPE)
- principles and practices of livestock AI, including:
 - basic breeding principles, including the oestrus cycle and its significance
 - relevant anatomy and physiology of female livestock

- reproductive physiology and behaviour of female livestock
- pregnancy testing
- animal health and abnormalities
- semen handling, thawing and storage techniques
- preparation requirements for AI of animals
- animal movement and behavioural characteristics
- handling equipment and techniques, harnessing and restraint methods and when to use them
- workplace and industry identification system for animals
- animal welfare legislation, codes of practice and procedures and hygiene practices relevant to AI of livestock
- legislative and regulatory controls relevant to AI
- workplace and industry policies relevant to AI and recording and reporting routines
- resource and manpower requirements, industry standards, codes of practice and procedures for AI of the livestock species
- criteria and methods for determining conception rates
- methods and procedures for improving the success of AI and its impacts on herd performance
- procedures for cleaning and maintaining work areas and equipment
- 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 AI of livestock
 - female livestock
 - semen, materials, tools and livestock handling equipment applicable to AI of livestock
 - PPE applicable to AI of livestock
- specifications:
 - workplace requirements applicable to health and safety in the workplace for AI of livestock
 - environment and biosecurity legislation and regulations and workplace practices applicable to AI of livestock
 - industry standards, legislation and codes of practice and procedures for animal welfare applicable to AI of livestock
 - hygiene practices applicable to AI of livestock
- 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>