



**Australian Government**

# **AHCLSK511 Manage livestock production**

**Release: 1**

# AHCLSK511 Manage livestock production

## Modification History

| Release   | Comments                                                                                                                     |
|-----------|------------------------------------------------------------------------------------------------------------------------------|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Release 11.0. |

## Application

This unit of competency describes the skills and knowledge required to plan for livestock production and manage the implementation of such a plan.

The unit applies to individuals who apply specialised skills and knowledge to manage livestock production, 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, according to state/territory health and safety regulations, legislation and standards that apply to the workplace, and animal welfare legislation, regulations, standards and guidelines, and sustainability and biosecurity practices.

In addition to legal responsibilities, all units of competency dealing with animals in the AHC Agriculture, Horticulture and Conservation and Land Management Training Package have the requirements for animals to be handled humanely to minimise stress and discomfort.

This unit applies to farm managers with extensive or intensive livestock production workplaces.

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 |
|----------|----------------------|
|----------|----------------------|

| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Plan for production                    | <p>1.1 Assess the capability of land resources for grazing and determine stock, pasture and land management strategies for each land capability class</p> <p>1.2 Assess the suitability and sustainability of water resources</p> <p>1.3 Establish livestock production targets for each workplace for the short and long term according to the farm marketing and business plans</p> <p>1.4 Establish production targets, taking into consideration workplace short-term and long-term livestock production goals, herd or flock breeding improvements and relevant risk control strategies</p> <p>1.5 Select genetics and breeding programs based on the production targets and the marketing requirements for the workplace</p> <p>1.6 Select and design production facilities that deal sensitively with identified waste products</p> <p>1.7 Establish and include biosecurity and environment control measures in the production plan</p> <p>1.8 Identify hazards and risks associated with work activities, and incorporate control measures in the production plan according to workplace health and safety procedures</p> <p>1.9 Prepare a plan that documents the decisions taken, the assessments made, the targets established, and any specific issues that relate to workplace health and safety, animal welfare, biosecurity and environmental risks</p> <p>1.10 Ensure plan includes the type, format, frequency and detail of managers and operators reporting requirements</p> |
| 2. Plan for livestock needs               | <p>2.1 Determine feed requirements for each age and sex category of livestock</p> <p>2.2 Determine most appropriate feeding plan for each livestock category based on a cost-benefit analysis</p> <p>2.3 Research and implement most appropriate health strategies to prevent and control disease in livestock based on a cost-benefit analysis</p> <p>2.4 Prepare schedules for purchasing and using livestock production products and services</p> <p>2.5 Research and implement most appropriate livestock production, harvesting, handling and transportation methods and animal welfare requirements based on a cost-benefit analysis</p> <p>2.6 Prepare a livestock production plan that incorporates the calendar</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Elements                                                                                    | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.                                                   | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                             | <p>of operations for each workplace production cycle, and the management of any specific animal welfare issues</p> <p>2.7 Ensure plan includes the type, format, frequency and detail of managers and operators reporting requirements</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3. Seek information on innovations for existing or potential workplaces and farm activities | <p>3.1 Identify and access sources of information on innovations relevant to the workplace and livestock species</p> <p>3.2 Assess information on innovations to determine whether they could be used in current or a future workplace</p> <p>3.3 Amend production plans to include innovations deemed suitable for use in the workplace</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 4. Test and adopt relevant innovations                                                      | <p>4.1 Consult people who may be involved in implementing the innovation or in planning for it and discuss the change with them</p> <p>4.2 Test innovations on the farm to determine whether they are suitable, and whether they may be readily adapted to suit the circumstances of the business</p> <p>4.3 Identify workplace health and safety hazards, animal welfare, biosecurity or environmental risks associated with trial phase, and implement control measures according to workplace health and safety procedures, animal welfare practices, or biosecurity and environment legislation, regulations and workplace practices</p> <p>4.4 Decide whether or not to adopt the innovation, based on its costs and benefits and any implementation issues, including workplace health and safety, animal welfare, biosecurity and environmental considerations</p> |
| 5. Implement, monitor and evaluate livestock production plans                               | <p>5.1 Implement and monitor production plans according to the calendar of operations</p> <p>5.2 Site, erect or install production facilities that deal sensitively with identified waste products</p> <p>5.3 Evaluate livestock growth and maturity or production according to the planned targets and the marketing requirements</p> <p>5.4 Monitor livestock health, and control and prevent parasite and disease outbreaks quickly and effectively</p> <p>5.5 Assess feed supplies, monitor pasture or landscape condition and species composition, and vary stocking rates to maintain optimum pasture and livestock health</p> <p>5.6 Identify, monitor and manage workplace health and safety hazards,</p>                                                                                                                                                         |

| Elements                                          | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.         | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                   | <p>animal welfare, biosecurity or environmental impacts relating to livestock production in the business to promote optimum pasture, livestock and employee health</p> <p>5.7 Analyse physical and financial records and extractions taken from them to assess production performance, and to provide information for business and taxation purposes</p> <p>5.8 Evaluate the production performance of each workplace to determine whether they are sustainable and profitable</p> <p>5.9 Document evaluation findings for use in reviewing and revising production plans</p> |
| 6. Comply with legal requirements and regulations | <p>6.1 Obtain information about the legal requirements and regulations that affect farmland ownership and possession and livestock production</p> <p>6.2 Determine record keeping requirements, and establish procedures to ensure regulatory and taxation legislation compliance</p> <p>6.3 Obtain permits from relevant authorities for the transport and movement of livestock and equipment</p>                                                                                                                                                                           |

## 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            | <ul style="list-style-type: none"> <li>Identify and interpret textual and numerical information from a range of sources to identify relevant and key information about livestock production requirements</li> </ul>                                                                                       |
| Writing            | <ul style="list-style-type: none"> <li>Use clear language, accurate industry terminology and logical structure to document livestock production plans, calendar of operations and procedures associated with livestock production</li> <li>Document production plan evaluation findings</li> </ul>        |
| Oral communication | <ul style="list-style-type: none"> <li>Use collaborative and inclusive language and techniques including active listening, questioning and reading of verbal or non-verbal signals to convey and clarify procedural information, confirm work team understanding and compliance with specified</li> </ul> |

|          |                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | procedures and eliciting information from managers and operators <ul style="list-style-type: none"> <li>Respond to questions, clarify information and seek advice</li> </ul>                                     |
| Numeracy | <ul style="list-style-type: none"> <li>Calculate and interpret costs associated with livestock production</li> <li>Select and document plans, strategies and methods based on a cost-benefit analysis</li> </ul> |

## Unit Mapping Information

| Code and title<br>current release           | Code and title<br>previous release          | Comments                                                                                                                                                                 | Equivalence status |
|---------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCLSK511<br>Manage livestock<br>production | AHCLSK501<br>Manage livestock<br>production | Minor changes to<br>application<br><br>Minor changes to<br>elements and performance<br>criteria<br><br>Foundation skills added<br><br>Assessment requirements<br>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>

# Assessment Requirements for AHCLSK511 Manage livestock production

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## 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 managed livestock production on at least one occasion, and has:

- developed livestock production plans
- managed resources for a grazing workplace
- established grazing strategies that match livestock needs and optimise pasture growth
- maintained the farm natural resource base through sustainable practice
- planned and monitored the finances of the production unit
- monitored and managed animal health, welfare and nutrition
- supervised good stock handling techniques and husbandry operations
- analysed and assessed the economic impact of specific situations
- established processes, strategies, procedures and controls for livestock production
- assessed land capability
- complied with regulatory and taxation legislation requirements
- maintained records of production
- assessed and adopted profitable innovations
- established and maintained relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- established and maintained relevant animal welfare policies and practices for managing livestock production.

## Knowledge Evidence

An individual must be able to demonstrate 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 managing livestock production

- environment and biosecurity legislation and regulations and workplace practices relevant to managing livestock production
- principles and practices for managing livestock production, including:
  - livestock nutrition
  - health and welfare of animals within the production system
  - key considerations in a livestock breeding operation
  - good stock handling techniques, husbandry and management practices
  - land capability and its relevance to planning livestock production in the context of the whole farm
  - sustainable land use principles and practices applicable in the region
  - budgeting and financing for a workplace
  - cost-benefit analysis
  - management practices and processes to minimise noise, odours and debris from the livestock operations
  - relevant legislation and regulations relating to soil and water degradation issues
  - animal welfare requirements relevant to managing livestock production.

## 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:
  - livestock cost-benefit analysis
  - computer hardware and software relevant to managing livestock production and documenting the production plan
- specifications:
  - workplace requirements applicable to health and safety in the workplace for managing livestock production
  - environment and biosecurity legislation and regulations and workplace practices applicable to managing livestock production
  - legislation, regulations, standards, guidelines and procedures for animal welfare applicable to managing livestock production
- relationships:
  - managers and operators
- time frames:
  - 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.

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