



Australian Government

AHCLSK423 Develop feeding plans for 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 Release 11.0.

Application

This unit of competency describes the skills and knowledge required to develop feeding plans for livestock.

The unit applies to individuals who apply specialist skills and knowledge to develop feeding plans for livestock. This includes applying and communicating non-routine solutions to predictable and unpredictable 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.

This unit applies to managers of grazing operations who design and develop feeding plans for livestock.

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. Determine nutritional requirements for	1.1 Determine nutritional value of pasture and feedstuffs 1.2 Identify and assess livestock production status according to

Elements	Performance Criteria
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livestock	workplace requirements 1.3 Determine essential requirements for livestock nutrition according to assessed livestock condition
2. Assess pasture feed	2.1 Determine grazing management strategy to ensure the sustainable stocking capacity of pasture 2.2 Estimate pasture for quantity and quality to ensure continual and consistent supply of nutrients to livestock 2.3 Estimate and assess pasture intake according to identified nutritional requirements of livestock
3. Determine supplementary feeding program	3.1 Determine economic basis to supplementary feeding according to workplace requirements 3.2 Identify and determine types of supplementary feed for all classes of livestock 3.3 Determine supplementary feeding program to fill the pasture shortfall for predicted pasture growth
4. Develop livestock feeding plan	4.1 Develop and review feeding plan to ensure it remains responsive to changing conditions 4.2 Identify and implement feed conservation methods or fodder sources in preparation for abnormal conditions 4.3 Select a system of feeding that supplies the appropriate amount of feed to the herd or flock to meet condition and growth needs, and workplace production requirements 4.4 Prepare a feed budget according to the selected system of feeding 4.5 Document data for assessment and effective management planning

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	Identify and interpret textual and numerical information from a range of sources to identify relevant and key information about

	livestock nutrition, rationing and feeding requirements, and workplace production requirements
Writing	• Use clear language, accurate industry terminology and logical structure to document and review a livestock feeding plan
Numeracy	• Calculate and record livestock feed quantities and costs associated with livestock feeding plan • Prepare and document a feed budget • Document livestock feeding plan data for analysis and planning

Unit Mapping Information

Code and title current release	Code and title previous release	Comments	Equivalence status
AHCLSK423 Develop feeding plans for livestock	AHCLSK402 Develop livestock feeding plans	Unit title change Minor changes to application Minor changes to elements and performance criteria Foundation skills added Assessment requirements 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 AHCLSK423 Develop feeding plans for livestock

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Performance Evidence

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

There must be evidence that the individual has developed feeding plans for livestock on at least one occasion, and has:

- researched predicted seasonal pasture production for the area
- estimated the feed value of a standing pasture at different times of the year
- calculated the feed demand for different types of livestock and production phases
- matched feed supply and demand
- assessed feeding plan alternatives
- developed and documented a feeding plan.

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:

- principles and practices for developing feeding plans for livestock, including:
 - nutritional and daily energy requirements of livestock
 - water quality and livestock tolerances
 - nutritional value of different feedstuffs
 - assessment procedures to ascertain livestock condition
 - methods of assessing pastures quality and quantity
 - pasture livestock carrying capacity
 - estimating cost-benefit of supplementary feeding
 - supplementary feeding strategies
 - change in nutritional requirements during late pregnancy and lactation.

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:
 - computer hardware and software applicable to developing feeding plans for livestock
- 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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