



Australian Government

AHCLSK403 Develop feeding plans for an intensive livestock production system

Release: 1

AHCLSK403 Develop feeding plans for an intensive livestock production system

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 an intensive livestock production system.

The unit applies to individuals who apply specialist skills and knowledge to develop feeding plans for an intensive livestock production system. 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.

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 supervisors and unit managers who are responsible for nutrition and feeding in an intensive livestock production facility.

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
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Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Select ingredients for feed	1.1 Identify nutritional needs for class of livestock from available information 1.2 Source nutritional advice from industry or workplace sources 1.3 Select ingredients that provide for the identified nutritional need of livestock 1.4 Select suppliers on the basis of quality and cost of feed 1.5 Determine quantities of individual ingredients required based on available information and expert or supplier advice
2. Determine feed rations and schedules	2.1 Determine total feed quantities required for livestock from the production program, based on available information and expert advice 2.2 Consider available laboratory testing results when determining the quantities of each ingredient used 2.3 Schedule feeding and allocate responsibility for feeding according to the production program and other operations occurring within the site 2.4 Identify the methods of providing feed to livestock based on the production plan and advice
3. Supervise mixing and storage of feed	3.1 Organise secure and hygienic storage of feed and ingredients to eliminate contamination and infestation 3.2 Select storage location to ensure safe access 3.3 Organise rotation of feedstocks and replacements to arrive at the appropriate time to ensure optimum freshness 3.4 Organise mixing of feed to suit the needs of the livestock, identified nutritional requirements and workplace equipment 3.5 Add medications to feeds according to workplace procedures 3.6 Take, package and label samples of feed and forward them to the laboratory for testing according to production program schedules 3.7 Check calibration of measuring equipment and calculation of quantities at regular intervals 3.8 Identify hazards and assess risks in the workplace, and implement control measures to manage risk according to workplace health and safety procedures 3.9 Comply with workplace biosecurity policies
4. Supervise feeding	4.1 Supply rations to the livestock according to the production program and schedule

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	4.2 Make potable water available continuously to the livestock 4.3 Monitor the health and wellbeing of the livestock according to workplace requirements and animal welfare practices 4.4 Monitor and report any change in production levels as a direct result of changes to feed types, ingredients or schedules 4.5 Provide advice to staff during the feeding operation 4.6 Store, remove or dispose of waste materials and substances according to legislation, environment policies and workplace procedures 4.7 Maintain and store documentation according to workplace procedures

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, and workplace production system requirements
Writing	Use clear language, accurate industry terminology and logical structure to prepare, record and report feeding plan documentation
Oral communication	Respond to questions, clarify information and seek advice
Numeracy	- Calculate and record livestock feed ingredients and quantities - Identify and follow production system feeding plan schedule

Unit Mapping Information

Code and title current release	Code and title previous release	Comments	Equivalence status

AHCLSK403 Develop feeding plans for an intensive livestock production system	AHCLSK401 Develop feeding plans for a production system	Unit title change Minor changes to application Minor changes to elements and performance criteria Foundation skills added Assessment requirements updated	Equivalent
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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 AHCLSK403 Develop feeding plans for an intensive livestock production system

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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 an intensive livestock production system on at least one occasion, and has:

- complied with relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- complied with animal welfare policies and practices relevant to developing feeding plans for an intensive livestock production system
- identified hazards and implemented safe work practices
- sourced nutritional advice
- identified a range of raw ingredients
- accurately measured and calculated volumes, consumption and storage requirements
- monitored animal intake and performance
- recorded feed use and livestock performance.

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 developing feeding plans for an intensive livestock production system
- environment and biosecurity legislation and regulations and workplace practices relevant to developing feeding plans for an intensive livestock production system
- principles and practices for developing feeding plans for an intensive livestock production system, including:
 - control of common livestock diseases and preventative measures, including the placement of medications in feed
 - growth and development in livestock
 - milling systems

- dietary needs and analysis of feed samples
- workplace sampling requirements and techniques
- silo operations and configuration, machinery and operating practices
- workplace animal welfare practices relevant to developing feeding plans for an intensive livestock production system
- cleaning and storage of machinery, equipment and materials
- workplace recording and reporting procedures.

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 developing feeding plans for an intensive livestock production system
 - feed and equipment applicable to developing feeding plans for an intensive livestock production system
- specifications:
 - workplace requirements applicable to health and safety in the workplace for developing feeding plans for an intensive livestock production system
 - environment and biosecurity legislation and regulations and workplace practices applicable to developing feeding plans for an intensive livestock production system
 - legislation, regulations, standards, guidelines and procedures for animal welfare applicable to developing feeding plans for an intensive livestock production system
- relationships:
 - staff, supplier or expert
- 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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