



Australian Government

AHCLSK427 Plan and monitor intensive production systems

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 plan and monitor intensive production systems.

The unit applies to individuals who apply specialist skills and knowledge to plan and monitor intensive production systems. This includes applying and communicating non-routine technical 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.

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. Source information for	1.1 Consult livestock production plan for details of current period

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
input to production system planning	planning, workplace requirements and market expectations 1.2 Analyse key production data to establish unit performance 1.3 Access and analyse information regarding the characteristics of the livestock under production 1.4 Access and analyse regulatory, industry and workplace requirements that impact on the production system 1.5 Access and analyse market information regarding quality, standards and trends for input to the planning process
2. Plan for production	2.1 Determine target unit performance through a comparison with industry and workplace standards 2.2 Establish and confirm production targets using data and information from the livestock production unit 2.3 Determine resources required to achieve production targets in terms of personnel, equipment and materials 2.4 Organise and engage staff and contractors to suit the production plan and targets 2.5 Identify and order resources according to workplace requirements
3. Plan for animal needs, and environment and effluent management to ensure welfare of animals and achieve production targets	3.1 Assess and calculate housing, effluent management, environment management and biosecurity requirements from livestock numbers, market requirements and regulatory requirements 3.2 Evaluate construction and equipment system options and select the best option 3.3 Select materials chosen for construction according to animal welfare needs, cost and efficiency 3.4 Determine aspects of the production environment according to animal welfare needs, efficiency of systems and market expectations 3.5 Select animal based on animal production, the size of the livestock herd or flock, and the suitability of available feed products
4. Determine scheduling and key responsibilities	4.1 Determine scheduling for the production plan, taking the range of seasonal, geographic and resourcing factors into consideration 4.2 Determine key responsibilities for specific implementation processes according to production requirements 4.3 Determine documentation and record keeping requirements and establish procedures to ensure compliance with regulations and

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	workplace requirements 4.4 Document the production plan, including scheduling and key responsibilities 4.5 Ensure the production plan includes the type, format, frequency and detail of all reporting requirements by managers and operators
5. Monitor and adjust production plan strategies	5.1 Evaluate the effectiveness of the production plan at key points and adjust as necessary 5.2 Identify hazards and assess risks in the workplace, and implement control measures to manage risks according to workplace health and safety procedures 5.3 Monitor and assess environmental impacts relating to the production plan throughout the implementation process 5.4 Make modifications to the production plan to ensure compliance with environment and regulatory requirements

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 production system requirements
Writing	Use clear language, accurate industry terminology and logical structure to prepare and document the production plan and record modifications to production plan
Numeracy	Calculate personnel, equipment, material and resources, and costs associated with production plan

Unit Mapping Information

Code and title	Code and title	Comments	Equivalence status
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current release	previous release		
AHCLSK427 Plan and monitor intensive production systems	AHCLSK407 Plan and monitor intensive production systems	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 AHCLSK427 Plan and monitor intensive production systems

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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 planned and monitored intensive production systems on at least one occasion, and has:

- analysed key production data, herd or flock information and market requirements
- set production targets and identified resources needed to achieve them
- planned accommodation that meets animal welfare and production requirements
- developed feeding plans and evaluated alternatives for feed purchasing, milling and distribution
- determined work responsibilities and staffing requirements
- handled waste and effluent according to environment requirements and legislation
- monitored, reviewed and adjusted intensive production plans
- implemented relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- implemented relevant animal welfare policies and practices for planning and monitoring intensive production systems.

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 planning and monitoring intensive production systems
- environment and biosecurity legislation and regulations and workplace practices relevant to planning and monitoring intensive production systems
- principles and practices for planning and monitoring intensive production systems, including:
 - functions, parameters and scope of production plans

- type and use of information from workplace production plans and workplace production data that can be used to formulate production system planning and production unit performance targets
- type and use of information on herd/flock characteristics; regulatory, industry and workplace requirements; industry and workplace standards and benchmarks; market specifications for product qualities, product standards and market trends; production unit's history and data, for the formulation of the production system plan and performance targets
- types, quantities, assessment and calculation, procurement and selection of manpower, material, equipment and other resources required for the production plan
- types and functions of, and methods for assessing and calculating requirements of, housing, effluent management and environmental management infrastructure
- efficiency and cost-benefit ratios of different types of housing, effluent management and environmental effluent infrastructure and systems, taking into account animal welfare requirements and workplace production targets
- types, functions and cost-benefit ratios of livestock feeds
- relevant aspects and impacts of production cycles and staff job roles on production planning
- relevant regulatory, industry and workplace documentation, records and reporting requirements for implementation of production plans
- methods for assessing and evaluating production plans
- animal welfare practices relevant to planning and monitoring intensive production systems.

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 planning and monitoring intensive production systems
 - materials, tools and equipment applicable to planning and monitoring intensive production systems
- specifications:
 - workplace requirements applicable to health and safety in the workplace for planning and monitoring intensive production systems
 - environment and biosecurity legislation and regulations and workplace practices applicable to planning and monitoring intensive production systems
 - legislation, regulations, standards, guidelines and procedures for animal welfare applicable to planning and monitoring intensive production systems
- 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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