



Australian Government

AHCPRK403 Implement a feeding plan for pig production

Release: 1

AHCPRK403 Implement a feeding plan for pig production

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to implement a feeding plan for pig production. It includes preparing resources, managing feed storages, and monitoring pig feeding.

This unit applies to individuals who work in pork production environments and apply specialist knowledge and skills with discretion and judgement to interpret production requirements to prepare, coordinate and monitor pig feeding plans. They work autonomously, supervise other workers and solve predictable and unpredictable pig health and welfare problems. Work environments may include indoor and outdoor pork production systems.

Commonwealth and/or state/territory health and safety, animal welfare, environmental protection and biosecurity legislation, regulations and codes of practice apply to keeping and working with pigs. Requirements vary between jurisdictions.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Mandatory workplace requirements apply to the assessment of this unit.

Pre-requisite Unit

Nil

Unit Sector

Pork (PRK)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare feeding plan	1.1 Identify and follow biosecurity procedures that apply to entering

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
and resources	and working on a pork production site 1.2 Determine feed quantities required from the production program 1.3 Use relevant laboratory results when determining quantities and ration formulation of stockfeed in consultation with nutritionist 1.4 Schedule and allocate responsibility for feeding according to production program and other relevant operational requirements 1.5 Monitor and ensure feed systems are maintained regularly
2. Manage storage of feed	2.1 Develop a plan for secure and hygienic storage of feed according to enterprise biosecurity procedures 2.2 Allocate and monitor feed storage areas to meet enterprise hygiene, production and safety requirements 2.3 Organise rotation and replenishment of feed supplies to maximise quality and meet quantities required for production 2.4 Schedule pig feeding times according to their nutritional needs and enterprise equipment resources available 2.5 Supervise calibration of feeding equipment and calculation of feed quantities to meet pig nutritional requirements
3. Supervise feeding	3.1 Identify health and safety hazards to team members and pigs related to pig feeding tasks, and assess and control risks 3.2 Check appropriate personal protective equipment is maintained and used by team members according to enterprise health, safety and biosecurity requirements 3.3 Ensure that feed rations are supplied to pigs and recorded according to feeding plan requirements 3.4 Ensure continuous supplies of potable water are available to pigs 3.5 Provide pig feeding advice to team members as required 3.6 Monitor and supervise pig feeding to minimise waste 3.7 Monitor and record pig health and condition in response to pig feeding plan 3.8 Evaluate and report implementation of feeding plan and related pig health and production outcomes according to enterprise 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	- Interpret information in enterprise plans, procedures and standards related to pig feeding - Interpret terminology in laboratory and pig nutrition reports
Writing	Use pork industry and technical terminology when completing pig nutrition records and reports
Oral communication	- Instruct other workers clearly using language appropriate to the audience - Use open-ended questions, active listening and paraphrasing to gather information
Numeracy	Estimate and calculate quantity, time, weight, volume, ratio and temperature

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPRK403 Implement a feeding plan for pig production	AHCPRK401 Implement a feeding strategy for pig production	Title changed Performance criteria revised Foundation skills added Performance evidence, knowledge evidence and assessment conditions updated Mandatory workplace requirements added	Not 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 AHCPRK403 Implement a feeding plan for pig 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 safely and effectively planned, implemented and monitored a feeding plan for at least three different groups of pigs to meet production targets over a period of at least six weeks. Each group must include at least four pigs. For each group, the individual must have:

- determined and documented feeding plan based on professional nutritional advice
- identified at least three health and safety hazards to workers and pigs related to implementing the feeding plan, and assessed and controlled risks
- briefed at least one worker on their allocated feeding task/s, including confirmation of safety, personal protective equipment (PPE), biosecurity and animal welfare responsibilities
- prepared PPE for at least one worker and ensured it is correctly fitted and used
- checked feeding and watering systems and equipment required to implement pig feeding plan are operational
- checked pig feed has been stored safely and securely according to enterprise quality and biosecurity requirements
- monitored pig feeding and identified feed waste
- ensured removal and/or reuse of unused feed and water according to enterprise procedures
- evaluated and documented implementation of feeding plan and related pig health and production outcomes according to enterprise procedures.

Mandatory workplace requirements

All performance evidence specified above must be demonstrated in a pork production site.

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:

- key features of state/territory legislation, regulations and codes of practice for worker health and safety, animal welfare and biosecurity that apply to pig feeding
- enterprise procedures and requirements for worker health and safety, animal welfare and biosecurity that apply to pig feeding
- hazard identification, risk assessment and controls to minimise risks when implementing pig feeding plans
- main structures and functions of pig digestive system
- principles of nutrition, feeding strategies and feeding management of pigs
- key nutritional requirements of pigs, including:
 - energy, carbohydrate, protein, fats, fibre, essential amino acids and vitamins
 - variations for weaners, growers, finishers and pregnant and lactating sows
- types, forms and characteristics of pig feeds
- pig feeding behaviour relevant to managing nutrition, including:
 - herd behaviour
 - individual behaviour
 - life stage
 - environmental conditions
- criteria, requirements, types of and principal considerations for feed storage, including:
 - pest control
 - prevention of contamination
 - temperature and moisture
- features, criteria and requirements for formulating feeding plans and rations
- antibiotic and residue withholding periods relating to feed and nutrition
- types, calibration and use of equipment used to feed pigs
- requirements, types and maintenance of potable water supplies to pigs
- selection, use and maintenance of PPE required for pig feeding tasks
- signs of health, ill health, good condition and poor condition in pigs, and methods for assessing pig health and condition in relation to nutrition and feeding
- types of waste associated with pig feeding, and methods for removal, reuse, recycling and disposal
- zoonoses, including erysipelas, leptospirosis, Japanese encephalitis, worms and influenza
- key features of typical enterprise recording and reporting requirements related to pig care.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - *a pork production site*
- resources, equipment and materials:
 - *live pigs specified in performance evidence*
 - *pig farm infrastructure, materials, resources, tools and equipment, including PPE*

- *safety data sheets*
- specifications:
 - *enterprise procedures for pig care, health and welfare, worker health and safety, and biosecurity and environmental protection activities*
 - *enterprise pig production plans, including professional nutritional information*
 - *enterprise and manufacturer specifications for checking and maintaining pig feeding systems and equipment.*

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Mandatory workplace requirements

Mandatory workplace requirements are shown in *italic* text. Refer to the Companion Volume Implementation Guide for further information.

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