

Title	Describe feeds, nutrient requirements and pig feeding		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to describe: the nutrient requirements of pigs and feed quality; the effects of major feed ingredients in premixed feeds used in pig diets; feeding systems, feeding methods and feeding levels for pigs; and milling, mixing, storage, additives and contamination of pig feeds.
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Classification	Pork Production > Pig Husbandry
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Available grade	Achieved
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Guidance Information

None.

Outcomes and performance criteria

Outcome 1

Describe the nutrient requirements of pigs and feed quality.

Performance criteria

1.1 Describe the daily nutrient requirements of pigs for energy and amino acids.

Range weaners, growers, breeders.

1.2 Describe feed quality in terms of energy and amino acids.

Outcome 2

Describe the effects of major feed ingredients in premixed feeds used in pig diets.

Performance criteria

2.1 Describe the contribution of major feed ingredients to pig nutrition.

Range evidence of five feed ingredients is required.

2.2 Describe the contribution to pig nutrition of major feed ingredients in premixed feeds and by-products.

Range evidence of one premixed feed and two by-products is required.

2.3 Describe the effect of antinutritional factors on feed quality.

Range evidence of two factors is required, must include mycotoxins.

2.4 Describe the purpose of a feed ingredient withholding time.

Outcome 3

Describe feeding systems, feeding methods and feeding levels for pigs.

Performance criteria

3.1 Identify and describe types of feed and feeding systems for dry feed, or liquid feed for pigs in terms of their degree of automation, accuracy, and feed wastage.

3.2 Describe feeding levels for pigs in terms of class and sex of stock and their effect on pig breeding, growth and carcass performance.

3.3 Describe how efficiency of feed use is calculated.

Outcome 4

Describe milling, mixing, storage, additives and contamination of pig feeds.

Performance criteria

4.1 Describe feed milling and mixing in terms of the benefits for pig digestibility.

4.2 Describe the use of additives in pig feed in terms of the importance of using the recommended quantity and distribution in the full mix.

4.3 Describe feed and feed additives in terms of the relationship between quality and time in storage.

4.4 Describe management of the silo and feed distribution system in terms of ways to avoid contamination of feed during feeding operations.

Replacement information	
	This unit standard and unit standard 22088 replaced unit standard 15586.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 October 2005	31 December 2020
Review	2	19 March 2010	31 December 2020
Review	3	24 January 2019	N/A

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.