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| Title | Demonstrate knowledge of pig nutrition on a pig farm | | |
| Level | 4 | Credits | 5 |

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| Purpose | People credited with this unit standard are able to: demonstrate knowledge of the process of digestion in pigs; and describe nutrient utilisation, feed digestibility, feed contamination, and feed formulations used in pig diets. |
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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

Demonstrate knowledge of the process of digestion in pigs.

Performance criteria

- 1.1 Describe the digestive tract in terms of the structure of its components.
- 1.2 Describe the movement of food through the digestive tract in terms of function and mechanics.
- 1.3 Identify enzymes and compounds involved in digestion.

Range evidence is required for three enzymes and two compounds.
- 1.4 Describe enzymes and compounds in pigs in terms of their location in the digestive tract and the actions they perform.

Outcome 2

Describe nutrient utilisation, feed digestibility, feed contamination, and feed formulations used in pig diets.

Performance criteria

- 2.1 Describe dietary nutrients and their components in terms of their utilisation by pigs and their relative requirements.
- Range must include – water, carbohydrates, fats or oils, proteins, minerals, vitamins.
- 2.2 Describe feed digestibility in terms of its variability and importance for pig nutrition.
- 2.3 Describe the signs and effect on production of the presence of anti-nutritional factors and mycotoxin contamination in feeds and their ingredients.
- 2.4 Describe the requirements for formulating cost-effective diets.

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| Replacement information | This unit standard and unit standard 22089 replaced unit standard 15586. |
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| 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Status information and last date for assessment for superseded versions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 2012 |
| Review | 2 | 19 March 2010 | 31 December 2020 |
| Review | 3 | 28 February 2019 | N/A |

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| 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.