

Title	Demonstrate knowledge of pig farm carrying capacity, productivity and profitability on a pig farm		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: demonstrate knowledge of pig farm carrying capacity, the use of computer software and key performance indicators for benchmarking a pig farm, establish production targets and interference levels for reproductive, growth, and whole herd key performance indicators (KPIs), and demonstrate knowledge of the link between physical productivity and profitability of a pig farm.
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Classification	Pork Production > Pork Production Unit Management
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Available grade	Achieved
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Guidance Information

Definitions

Interference levels – levels outside a range of acceptable performance defined by on farm procedures which require intervention by management.

Key Performance Indicators (KPIs) – measurements of pig farm physical performance used to evaluate on farm results.

Production target – number and/or rate for a specified level of performance, for example, piglets born per week.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of pig farm carrying capacity.

Performance criteria

1.1 Calculate carrying capacity for each section of a pig farm.

Range must include – mating, gestation, farrowing, weaner, grower, replacement areas.

Outcome 2

Demonstrate knowledge of the use of computer software and determine key performance indicators for benchmarking a pig farm.

Performance criteria

- 2.1 Identify computer software available for recording data and monitoring pig farm performance.
- 2.2 Determine industry KPIs to benchmark against.

Outcome 3

Establish production targets and interference levels for reproductive, growth, and whole herd KPIs.

Performance criteria

- 3.1 Establish production targets and interference levels for reproductive KPIs to achieve the required number of pigs and weight.
 - Range weekly matings, litters per sow per year, piglets born alive per litter, pre-weaning mortality, post weaning mortality, farrowing rate, return to service rate, breeding herd mortality, replacement rates, piglets weaned per litter, weaners per sow per year, kilograms of pig meat per sow per year; evidence of five is required.
- 3.2 Establish production targets and interference levels against growth KPIs for pigs to reach the required sale weight within grower section capacity constraints.
 - Range production targets include – feed intake, water consumption, feed conversion rate, post weaning mortality, cost per kilogram gain, growth rate; evidence of three is required.
- 3.3 Establish production targets and interference levels against whole herd KPIs to meet weekly sales requirements.
 - Range production targets include – whole herd feed conversion, sale weight, back fat levels, payment schedule; evidence of two is required.

Outcome 4

Demonstrate knowledge of pig farm profitability and prepare a pig farm budget.

Performance criteria

4.1 Describe the main drivers of profitability in pig farming.

Range feed cost, pig meat return, sow productivity, post weaning feed conversion, carcass weight;
evidence of three is required.

4.2 Prepare a pig farm budget using supplied feed costs and KPIs.

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	28 February 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.