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| Title | Prepare, implement, monitor and adjust a feed budget to meet agribusiness production targets | | |
| Level | 5 | Credits | 14 |

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| Purpose | <p>This unit standard is for people working in a primary industry production system context.</p> <p>People credited with this unit standard are able to prepare a feed budget for a specified time period to achieve production targets; and, implement and monitor the prepared feed budget using technology, and adjust according to results of monitoring.</p> |
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| Classification | Agriculture > Agribusiness Management |
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| Available grade | Achieved |
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the Animal Welfare Act 1999.
- 2 Feed budgets may include pasture-based farms, as well as housed livestock.
- 3 Feed quantities must be described in units relevant for the system being budgeted and may include – dry weight of feed (for example, kilograms of dry matter or kgDM), energy content (for example, estimated metabolisable energy or megajoules of metabolizable energy MJME).
- 4 Definitions
Feed quality – factors such as digestibility, palatability, protein content, mineral content.
Production target – the quantified output for a farm for a defined period, may include but not limited to production units for – weight gain, condition score gain, milk production, meat production, wool production or velvet production.
- 5 Candidates use technology to present their evidence for assessment on computerised feed budgeting programmes or spreadsheets.

Outcomes and performance criteria

Outcome 1

Prepare a feed budget for a specified time period to achieve production targets.

Performance criteria

- 1.1 Determine existing quantities of feed on hand at the start of the period.
- 1.2 Determine the quality and quantity of feed supply required for the time period.
- 1.3 Determine feed reserves to carry forward at the end of period.
- 1.4 Determine livestock feed requirements over the specified time period.
- 1.5 Determine feed inputs required to achieve the feed budget.

Range feed allocation calculations must include – utilisation factors.

- 1.6 Develop contingency plans to manage variations to predicted feed supply and/or livestock demand.

Range must include – cost benefit analysis of contingencies.

Outcome 2

Implement and monitor the prepared feed budget using technology and adjust according to results of monitoring.

Performance criteria

- 2.1 Use digital feed budgeting software or spreadsheets to implement and monitor a feed budget.
- 2.2 Compare feed reserves at given points with feed budget prediction to identify variations to feed reserve target.
- 2.3 Monitor livestock performance and compare with production targets.
- 2.4 Adjust the feed budget and record adjustments in response to monitoring.

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| Planned review date | 31 December 2024 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
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| Registration | 1 | 27 April 2005 | 31 December 2022 |
| Review | 2 | 16 April 2015 | 31 December 2022 |
| Review | 3 | 12 December 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 Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.