

Title	Describe annual feed supply and demand, methods to manage feed surpluses and deficits, and perform calculations		
Level	2	Credits	4

Purpose	People credited with this unit standard are able to: describe the relationship between annual feed supply and demand, and the importance of maintaining target Annual Pasture Cover (APC); describe methods used to manage feed surpluses and deficits; and perform livestock feeding calculations.
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Classification	Agriculture > Farming Skills
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Available grade	Achieved
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Guidance Information

None.

Outcomes and performance criteria

Outcome 1

Describe the relationship between annual feed supply and demand, and the importance of maintaining target APC.

Performance criteria

1.1 Describe annual feed supply in terms of its components.

Range components include but are not limited to – APC; pasture growth; supplements – made on farm, purchased in; crops; off-farm grazing; nitrogen.

1.2 Describe annual feed demand in terms of the variations due to stock requirements.

Range stock requirements include but are not limited to – class of stock, growth, pregnancy, lactation, maintenance.

1.3 Describe the importance of maintaining a target APC in terms of annual feed supply and demand.

Outcome 2

Describe methods used to manage feed surpluses and deficits.

Performance criteria

2.1 Describe methods used to manage surpluses in terms of their features.

Range methods include but are not limited to – hay and silage conservation; altering: stocking rate, animal intake and condition.

2.2 Describe methods used to manage deficits in terms of their features.

Range methods include but are not limited to – nitrogen; feeding supplements and concentrates; altering: stocking rate, animal intake and condition.

2.3 Describe methods of managing surpluses and deficits in terms of their advantages and disadvantages.

Outcome 3

Perform livestock feeding calculations.

Performance criteria

3.1 Calculate amount of feed stored according to method of storage.

Range methods may include but are not limited to – stack, haybarn, pit; evidence of one method is required.

3.2 Calculate daily feed demand for a mob of livestock.

3.3 Calculate daily feed available.

Range calculations include but are not limited to – pre-grazing pasture cover, post-grazing residual, available pasture per head of stock.

3.4 Calculate break size for given feed.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 2002	31 December 2024
Review	2	23 April 2008	31 December 2024
Review	3	16 April 2010	31 December 2024
Review	4	29 September 2022	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 Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.