

Title	Demonstrate knowledge of calf rearing from birth to weaning		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of calf rearing from birth to four days, and from four days old to weaning; and perform calculations.
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Classification	Agriculture > Dairy Farming
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Available grade	Achieved
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Explanatory notes

- 1 Legislation relevant to this unit standard includes but is not limited to the – Health and Safety in Employment Act 1992, Animal Welfare Act 1999, and their subsequent amendments.
- 2 Performance of all aspects of this unit standard should comply with the Ministry of Agriculture and Fisheries (1992), *Code of Recommendations and Minimum Standards for the Welfare of Bobby Calves*, and its subsequent amendments, available at <http://www.biosecurity.govt.nz/animal-welfare/req> – referred to as the Welfare Code.
- 3 *On-farm procedures* refer to the verbal or written instructions to staff on procedures for animal health, welfare, and management, and includes local dairy company standards and requirements.

This unit standard is
expiring

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of calf rearing from birth to four days.

Evidence requirements

- 1.1 Forms of housing and shelter for calf rearing are described in terms of their role in maximising the success of calf rearing, and the utilisation of available farm resources.
- 1.2 Feeding methods are described in terms of the nutritional requirements of calves, and on-farm procedures for implementation.

Range evidence is required for at least two feeding methods.

- 1.3 The sale of four-day-old calves is described in terms of preparation requirements, and on-farm procedures.
- Range withholding periods, housing, calf welfare, transport requirements, methods of sale.
- 1.4 Calf rearing is described in terms of health requirements, and associated diseases and their symptoms and their prevention and control within a calf rearing situation, in accordance with the Welfare Code.
- Range nutritional scours, infective scours, navel ill, pneumonia, rotovirus.
- 1.5 The requirements for disposal of dead calves are described in accordance with the Welfare Code.

Outcome 2

Demonstrate knowledge of calf rearing from four days old to weaning.

Evidence requirements

- 2.1 Forms of housing and shelter for calf rearing are described in terms of their role in maximising the success of calf rearing, and the utilisation of available farm resources.
- 2.2 Feeding methods are described in terms of the nutritional requirements of calves, and on-farm procedures for implementation.
- Range nurse cow, whole milk, milk replacer, calf meal, colostrum, hay, pasture.
- 2.3 Feeding methods to achieve objectives are compared and described in terms of their comparative advantages and disadvantages.
- Range target weaning weight, rumen development, growth rate.
- 2.4 Diseases are described in terms of their symptoms, prevention, and treatment.
- Range nutritional scours, infective scours, rotovirus, coccidiosis, navel ill.

Outcome 3

Perform calculations.

Evidence requirements

- 3.1 Quantities of milk replacer are calculated.
- 3.2 Quantities of calf meals are calculated.
- 3.3 Withholding periods are calculated.

Replacement information	Unit standards 19072 and 19087 have been replaced by unit standard 28979.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 2002	31 December 2020
Review	2	23 April 2008	31 December 2020
Review	3	16 July 2015	31 December 2020

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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is expiring