

41302 Implement, monitor and report on a livestock feeding plan to meet production requirements

Kaupae Level	4
Whiwhinga Credit	20
Whāinga Purpose	This skill standard is for people working on a pastoral livestock farm. They will be able to prepare, monitor, report on, and review a feed budget, and develop, implement, monitor, report on, and review a livestock feeding plan. This skill standard is aligned to the New Zealand Certificate in Agriculture (Level 4) [Ref: 5677].

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare a feed budget where the supply of feed meets the livestock feed demand.	a. Calculate feed demand to meet production requirements for a stock class.
	b. Calculate the feed supply for a given period.
	c. Identify and manage feed quality, surplus, or deficit.
2. Develop and implement a livestock feeding plan to meet production requirements.	a. Develop a livestock feeding plan to meet production requirements.
	b. Carry out operational actions to implement the livestock feeding plan.
	c. Manage resources required to implement the livestock feeding plan.
3. Monitor and report on feed budget and livestock feeding plan implementation.	a. Identify factors that could affect the feed budget or a livestock feeding plan.
	b. Monitor and report on feed stocks and feed utilisation in relation to the feed budget and a livestock feeding plan.
	c. Monitor and report on livestock response to feeding in relation to the livestock feed plan.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
4. Review the effectiveness of a feed budget and livestock feeding plan in meeting production requirements.	a. Compare feed budget with actual feed usage.
	b. Identify factors contributing to differences between planned and actual feed usage.
	c. Evaluate the impact of actual feed usage on production outcomes.
	d. Identify strengths and weaknesses in the feed budget and livestock feeding plan.
	e. Recommend future feeding actions based on review findings.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

All activities must be carried out in accordance with workplace health and safety requirements, workplace procedures, and, wherever relevant, the Code of Welfare appropriate to the species and context for which the learner is being assessed.

Providers must give due consideration to embedding ngā kaupapa (principles) o Te Tiriti o Waitangi when designing delivery activities relevant to this standard. These principles are outlined in [Guidelines for Providers: Embedding Tirohanga Māori](#).

Providers must give due consideration to the needs and values of Pacific peoples and other cultural groups when designing delivery activities relevant to this standard, ensuring practices are inclusive and equitable.

Ākonga/learners should be assessed against this standard in a real-life context using naturally occurring evidence. A verifier's checklist with appropriate comments confirming competency is acceptable if accompanied by evidence that includes examples from the ākonga/learner's performance.

For assessment criterion 4e, recommendations must be based on review findings and may include maintaining current feeding practices where these are effective, or making justified changes to future feeding actions, feed budgeting, or livestock feeding plans.

Evidence requirements

Feed budgets need to be calculated for a minimum of 3 months or 90 days.

Livestock feeding plan needs to be for a minimum of 14 days.

Definition

Production requirements refers to the feed-related requirements needed to achieve planned livestock production outcomes while maintaining animal health and welfare.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Feed budget**

- production requirements and feed demand.
- physiological and behavioural requirements of livestock.
- relationship between feed budget and a livestock feeding plan.
- pasture quality and feed quantity.
- metabolizable energy (ME) of feeds.
- suitability of feeds for different livestock types and classes.
- calculating feed demand, supply, and feed allowances for livestock over a defined period.
- identifying and managing feed surplus and deficit.
- contingency planning, e.g. weather, feed shortages.

Livestock feeding plan

- aim of a feeding plan, e.g. managing feed supply and demand over defined timeframes (daily, weekly seasonal).
- components of a feeding plan, e.g. available feeds, livestock requirements, production targets, animal health considerations, key dates (e.g. mating, parturition).
- offered feed vs actual intake.
- factors affecting voluntary feed intake (VFI) (e.g. weather, ground conditions), length of the plan (e.g. weekly, monthly, seasonal).
- operational implementation, e.g. break feeding, supplement use, feeding allocation, access to water.
- management of feed quality, e.g. assessing, feed tests (e.g. nitrate levels, spores, ME, crude protein).
- managing feed surplus and deficit to maintain feed quantity and quality.
- contingency planning, e.g. weather events, disease outbreak.
- allocation of feed to livestock, including feed allowance calculations and adjustments.

Monitoring and reporting

- factors affecting the feed budget and feeding plan, e.g. weather, livestock behaviour, infrastructure, terrain.
- monitoring feed supply and utilisation in relation to the feed budget.
- monitoring feeding plan performance against targets using measured feed supply (e.g. pasture cover) and estimated feed quality.
- identifying feed wastage, e.g. trampling, spoilage, crop maturity.
- livestock response to feeding, e.g. behaviour, grazing patterns, feeding activity.
- indicators of livestock performance, e.g. body condition score, liveweight, growth rates, milk production, reproductive performance.
- recording and reporting feed and livestock information in relation to the feeding plan.
- adjusting feeding in response to real-time monitoring and observation.
- optimisation of feed utilisation, including minimising wastage and maximising feed conversion into production.

Monitoring animal response

- livestock behaviour and factors influencing behaviour.
- effects of feeding on livestock performance and production outcomes.
- qualitative indicators, e.g. coat condition, behaviour, feeding activity.
- quantitative indicators, e.g. body condition scoring, weighing, production data.

Reviewing

- comparison of feed budget and feeding plan with actual feed usage and livestock performance.
- factors contributing to differences between planned and actual outcomes.
- evaluation of the effectiveness of feed budgeting and feeding plans in meeting production requirements.
- evaluation of feed utilisation and its impact on livestock production outcomes.
- identification of strengths and weaknesses in feed budgeting and feeding plans.
- use of review findings to inform future feeding decisions and planning.
- consideration of feeding practices on pasture condition, soil health, and environmental outcomes.

Rauemi | Resources

- [Animal Welfare Act 1999](#).
- [Health and Safety at Work Act 2015](#).
- [Code of Welfare - Dairy Cattle](#) (Ministry for Primary Industries).
- [Code of Welfare - Deer](#) (Ministry for Primary Industries).
- [Code of Welfare - Goats](#) (Ministry for Primary Industries).
- [Code of Welfare - Sheep and Beef Cattle](#) (Ministry for Primary Industries).
- [Pasture management](#) (DairyNZ).
- [Knowledge hub](#) – feeding livestock (Beef + Lamb NZ).
- [Deer hub](#) – feeding deer (Deer Industry NZ).

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Food and Fibre Industry Skills Board
Whakaritenga Rārangī Paetae Aromatawai DASS classification	Agriculture, Forestry and Fisheries > Agriculture > Farming Skills
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0052

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	27 August 2026	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 28859.		
Rā arotake Planned review date	31 December 2031		

Please contact the Food and Fibre Industry Skills Board at info@foodandfibresb.nz to suggest changes to the content of this skill standard.