

**41301****Implement and manage a livestock parturition plan**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kaupae   Level</b>     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Whiwhinga   Credit</b> | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Whāinga   Purpose</b>  | <p>This skill standard is intended for people working in an autonomous capacity with livestock in pastoral farming systems, including dairy and non-dairy cattle, deer, goats and sheep.</p> <p>They will be able to interpret a parturition plan, implement livestock parturition management, and monitor and report on parturition outcomes.</p> <p>This skill standard aligns with the New Zealand Certificate in Agriculture (Level 4) [Ref: 5677].</p> |

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

| <b>Hua o te ako   Learning outcomes</b>                        | <b>Paearu aromatawai   Assessment criteria</b>                                     |
|----------------------------------------------------------------|------------------------------------------------------------------------------------|
| 1. Plan for the implementation of a parturition plan.          | a. Interpret a parturition plan in relation to business goals.                     |
|                                                                | b. Develop an operational plan to support implementation of the parturition.       |
| 2. Implement livestock parturition management.                 | a. Assess livestock condition in preparation for parturition.                      |
|                                                                | b. Assess and monitor factors influencing pregnancy and parturition performance.   |
|                                                                | c. Select and manage parturition groups in accordance with the parturition plan.   |
|                                                                | d. Monitor and interpret behaviour of dams during parturition.                     |
|                                                                | e. Evaluate risks for parturition outcomes and determine appropriate action.       |
|                                                                | f. Provide support to dams and offspring during and immediately after parturition. |
| 3. Monitor and report on parturition performance and outcomes. | a. Record parturition data.                                                        |
|                                                                | b. Interpret parturition data in relation to goals.                                |
|                                                                | c. Report parturition outcomes against goals and explain variation.                |

**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 learner's performance.

Planned outcomes may be expressed through the goals or targets contained in the parturition plan and must provide a basis for assessing implementation decisions and reporting parturition outcomes.

Assessment of livestock condition must include body condition scoring or body condition assessment using methods appropriate to the livestock species, production system, workplace procedures, and parturition plan.

***Definitions***

*Factors influencing pregnancy and parturition performance* may include nutritional, environmental, health, management, genetic, physiological, and welfare-related factors that affect dam and offspring outcomes before, during, or after parturition.

*Livestock condition* refers to the physical condition of livestock relevant to pregnancy and parturition readiness, including body condition, general health status, and visible indicators of fitness for parturition.

***Ngā momo whiwhinga | Grades available***

Achieved

**Ihirangi waitohu | Indicative content****Parturition plans**

- parturition targets, e.g. pre-parturition condition targets (e.g. body condition score), live births, offspring survival.
- interpreting the parturition plan, e.g. gather information, discuss plan with business owner.
- operational planning, e.g. discuss plan with team, arranging resources, rostering.
- role of technology in parturition, e.g. Halter, MINDA, FarmIQ, Resolution, messaging apps.
- industry expectations, e.g. New Zealand Farm Assurance Programmes (NZFAPs).
- social license, e.g. animal welfare requirements, ethical and social considerations, euthanasia/humane destruction.
- financial impacts of parturition decisions and outcomes.

### Monitoring and managing pregnancy

- health measures, e.g. supplementation, preventative or responsive treatments, blood tests, vaccinations, monitoring or testing.
- factors affecting pregnancy, e.g. environmental factors, herd dynamics, disease, feeding levels (e.g. maintenance requirements for single vs multiple births, late-stage pregnancy), stocking pressure, shelter availability, and access to feed and water.

### Manage parturition groups

- group management, e.g. allocating livestock to mobs, paddocks, pens, sheltered areas, or parturition areas according to parturition characteristics, monitoring requirements, and support needs.

### Monitoring and management during and immediately after parturition

- responsive health interventions, e.g. antibiotics, anti-inflammatories, supplementation, veterinary treatment (e.g. caesarean, assisted births where required).
- parturition and post-parturition health problems e.g. birth defects, difficult birth, metabolic disorders (e.g. hypocalcaemia, ketosis/acetonaemia, hypomagnesaemia, pregnancy toxaemia), physical injury, infection (e.g. mastitis), age-related risk factors, reproductive disorders (e.g. dystocia), foetal size, abnormal presentations.
- management strategies, e.g. managing dam and progeny condition and health during and after parturition, environmental factors, level of monitoring.
- signs of normal and abnormal parturition progress, and actions appropriate to workplace procedures.
- support for dams and offspring during and immediately after parturition, e.g. observation, immediate post-parturition checks, supporting bonding or maternal acceptance, identifying neonate with dam, monitoring offspring vigour, managing separation, mismothering, or orphaned offspring, and offspring care in accordance with workplace procedures.

### Recording and reporting parturition outcomes

- recording and reporting parturition outcomes against planned goals and targets, e.g. live births, abortions, birth defects, stillbirth rate, assisted birth rate, offspring survival, deaths, lambing percentage, docking/tailing percentage, offspring marking or recording outcomes, and spread or timing of parturition.

### Rauemi | Resources

- [Animal Welfare Act 1999](#).
- [Health and Safety at Work Act 2015](#).
- [Animal Welfare \(Care and Procedures\) Regulations 2018](#).
- [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).
- [Knowledge hub](#) (Beef + Lamb New Zealand).
- [Knowledge hub](#) (Deer Industry NZ).
- [Tools and resources](#) (Dairy NZ).

- Farm-specific animal health plans and calendars.
- Farm-specific Standard Operating Procedures.

### Pārongo Whakaū Kouna | Quality assurance information

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

| <b>Hātepe  </b> Process                                 | <b>Putanga  </b><br>Version                       | <b>Rā whakaputa  </b><br>Review Date | <b>Rā whakamutunga</b><br><b>mō te aromatawai  </b><br>Last date for<br>assessment |
|---------------------------------------------------------|---------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------|
| <b>Rēhitatanga  </b> Registration                       | 1                                                 | 27 August 2026                       | N/A                                                                                |
| <b>Kōrero whakakapinga  </b><br>Replacement information | This skill standard replaced unit standard 28858. |                                      |                                                                                    |
| <b>Rā arotake  </b><br>Planned review date              | 31 December 2031                                  |                                      |                                                                                    |

Please contact the Food and Fibre Industry Skills Board at [info@foodandfibreisb.nz](mailto:info@foodandfibreisb.nz) to suggest changes to the content of this skill standard.