

**41294****Clean and maintain the farm dairy**

|                           |                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kaupae   Level</b>     | 3                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Whiwhinga   Credit</b> | 10                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Whāinga   Purpose</b>  | <p>This skill standard is intended for people working in a dairy farming operation.</p> <p>They will be able to clean and maintain the farm dairy under limited supervision.</p> <p>This skill standard is aligned to the New Zealand Certificate in Agriculture (Level 3) [Ref: 5680] and the Milk Harvesting Fundamentals (Micro-Credential) (Level 3) [Ref: 5633-1].</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. Clean the farm dairy.                            | a. Manage risks to personal health and safety when handling cleaning chemicals and hot water. |
|                                                     | b. Prepare for, carry out, and report on milking plant washing procedures.                    |
|                                                     | c. Carry out and report on bulk milk tank wash procedures.                                    |
|                                                     | d. Carry out and report on the farm dairy cleaning routine.                                   |
|                                                     | e. Maintain cleaning equipment.                                                               |
| 2. Carry out routine maintenance of the farm dairy. | a. Identify hazards associated with farm dairy maintenance.                                   |
|                                                     | b. Carry out routine checks of the milking plant.                                             |
|                                                     | c. Identify and report problems with the milking plant.                                       |
|                                                     | d. Identify and report signs of wear in the milking clusters.                                 |
|                                                     | e. Replace damaged or worn basic components of the milking plant.                             |

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

All activities must be carried out in accordance with supplier assurance requirements, workplace procedures, and workplace health and safety requirements.

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.

**Range**

Basic components may include rubberware and cluster assembly.

**Definition**

*Farm dairy* refers to the milking facility and associated equipment, including the milking plant, bulk milk tank, and supporting infrastructure used for milk harvesting, cooling, cleaning, and storage.

**Ngā momo whiwhinga | Grades available**

Achieved

**Ihirangi waitohu | Indicative content****Health and Safety**

- hazard management, e.g. PPE, signs, chemical dispensers, personal hygiene, slipping hazards, tripping hazards.
- cleaning the milking plant and bulk milk tank, e.g. chemicals, hot water.
- maintaining the plant, e.g. using blades, changing rubberwear, sharp edges.

**Cleaning the milking plant**

- four key elements of the cleaning cycle: thermal, time, kinetic energy, chemical energy.
- standard cleaning procedures, e.g. rinsing cups prior to plant wash, disconnecting milk line from bulk milk tank, washing plant, wash cycle (hot, cold, acid, alkali, remedial).
- cleaning chemicals, e.g. type, application, measuring, ratio of number of clusters to detergent, expiration dates, function (e.g. alkali to remove protein buildup, acid to remove mineral deposits).
- basic trouble shooting, e.g. correct water flow, wash timing, wash components (e.g. cleaning slug), water temperature.

**Bulk milk tank**

- standard cleaning procedures, e.g. rinsing, taking the door off, taking the seal off, washing.
- check for inhibitory substances, e.g. vermin, protein rainbow.
- basic trouble shooting, e.g. split seal, protein buildup.

### Cleaning the farm dairy

- reasons for washing the yard, e.g. removal of stones, food and animal hygiene.
- types of washing systems.
- efficient washing, e.g. systematic approach, minimising water use, directing effluent into the effluent storage.
- keep foreign objects out of the drains, e.g. tags, tail hair, biowaste, rubbish.
- farm dairy cleaning equipment, e.g. high-pressure hoses, scrubbing brushes, buckets, PPE, chemical storage.

### Routine milking plant maintenance

- standard maintenance procedures and supplier assurance requirements, e.g. scheduling, reporting apps.
- milking plant components, e.g. cluster parts and assembly, milkline.
- safe replacement of rubberware and other basic components.

### Rauemi | Resources

- [Health and Safety at Work Act 2015](#)
- [Animal Products Act 1999](#)
- [Animal Products Regulations 2021](#)
- [NZCP1: Design and Operation of Farm Dairies](#) (Ministry for Primary Industries)
- [NZCP2: Code of Practice for the Assessment of Farm Dairies](#) (Ministry for Primary Industries)
- [Dairy farming guidelines and resources](#) (DairyNZ).

### Pārongo Whakaū Kounga | 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 > Dairy Farming |
| <b>Ko te tohutoro ki ngā Whakaritenga i te</b><br><b>Whakamanatanga me te Whakaōritenga  </b><br>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 32011. |                            |                                                             |
| Rā arotake   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.