

Title	Manage milk harvesting to optimise milk quality on a dairy farm		
Level	4	Credits	10

Purpose	<p>This unit standard is intended for people who are working on a dairy farm.</p> <p>People credited with this unit standard are able to describe factors that have a relationship with milk quality industry standards; manage milk harvesting procedures and cleaning procedures and plant maintenance to optimise milk quality; and manage people capability.</p>
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Classification	Agriculture > On-farm Milk Quality
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Animal Welfare Act 1999;
 - Health and Safety at Work Act 2015;
 - Welfare codes for dairy livestock.
- 2 Welfare codes for all types of livestock are available from <http://www.mpi.govt.nz>.
- 3 Definition

Workplace procedures refer to verbal or written instructions to staff on procedures for identifying and correcting faults in the milking plant.
- 4 Industry standards are defined as
 - *NZCP-1, Code of Practice for the Design and Operation of Farm Dairies*, New Zealand Food Safety Authority, ISBN 0-908946-00-7, and
 - *DPC 2: Animal Products (Dairy) Approved Criteria for Farm Dairies*, New Zealand Food Safety Authority, which are available from the NZ Food Safety Authority website, <http://www.nzfsa.govt.nz>.

Standards specific to each individual dairy companies being supplied are defined in their supplier handbooks.
- 5 For dairy cattle the industry accepted management of mastitis includes SmartSAMM (<http://www.dairynz.co.nz>).
- 6 Industry targets are the generally accepted goals that members of the industry follow. These can be found on the DairyNZ website, <http://www.dairynz.co.nz>, these industry targets only apply to dairy cattle.

Outcomes and performance criteria

Outcome 1

Describe factors that have a relationship with milk quality industry standards.

Performance criteria

- 1.1 Describe the relationship between overseas market access requirements and establishing industry standards.
- 1.2 Describe the purpose of farm dairy assessments in relation to industry standards.
- 1.3 Describe a range of incentive mechanisms used by dairy companies to differentiate milk quality that is above minimum milk supply standards.

Range evidence of at least three incentive mechanisms is required.

Outcome 2

Manage milk harvesting procedures to optimise milk quality.

Performance criteria

- 2.1 Dispose of contaminated and/or non-compliant milk in accordance with workplace procedures.
- 2.2 Manage sick and diseased livestock in accordance with the welfare code.

Range must include – industry accepted management of mastitis.
- 2.3 Maintain records of livestock treatments in accordance with workplace procedures.
- 2.4 Manage and monitor the milk harvesting process to achieve milk quality supply standards.
- 2.5 Compare own farm milk quality standards with dairy company milk supply standards, and implement changes to optimise milk quality in accordance with workplace procedures.

Outcome 3

Manage farm dairy cleaning procedures and milking plant maintenance to optimise milk quality.

Performance criteria

- 3.1 Develop a standard operating procedure for the plant cleaning routine.

- 3.2 Clean plant in accordance with industry standards.
- 3.3 Minimise risk of injury from using cleaning chemicals and hot water.
- 3.4 Identify and correct operational and component faults in the milking plant in accordance with workplace procedures.
- 3.5 Undertake routine milking plant inspections and record preventative maintenance.

Outcome 4

Manage people capability to maintain milk supply and hygiene standards.

Performance criteria

- 4.1 Provide training that builds people capability to maintain milk supply standards.
- 4.2 Provide training that builds people capability in maintaining hygiene standards.

Replacement information	This unit standard replaced unit standard 18197 and unit standard 19090.
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2015	31 December 2022
Review	2	27 February 2020	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 the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.