

Set up equipment and carry out herd testing, and carry out procedures following herd testing

Level 3

Credits 23

Purpose People credited with this unit standard are able to: set up the dairy with equipment for herd testing; collect milk samples for herd testing; and carry out procedures following milk sample collection.

Subfield Agriculture

Domain Dairy Farming

Status Registered

Status date 20 March 2009

Date version published 20 March 2009

Planned review date 31 December 2014

Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0052

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992.
- 2 The New Zealand standard relevant to this unit standard is NZS 8100:2007 *Dairy herd testing* Part 1, available from <http://www.standards.co.nz>.
- 3 Definition
Organisational procedures – the written procedures for staff on: herd testing; herd testing equipment installation, cleaning, maintenance, identification of faults; and reporting; all of which must comply with current legislation, codes of practice, manufacturers' specifications, and the relevant NZ standard.

Elements and performance criteria

Element 1

Set up the dairy with equipment for herd testing.

Range herringbone dairy, rotary dairy.

Performance criteria

- 1.1 Equipment is stored in the dairy in an accessible, clean site, ready for use and set up in accordance with organisational procedures.

Range sample trays, vials or flasks, spare vials or flasks, milk meters.
- 1.2 Milk meters are installed in herd test brackets, and brackets adjusted as required to ensure milk meter hangs vertically when attached.
- 1.3 Milk meters are installed in a position in which they are not vulnerable to cow damage, do not cause injury or interference to cows, enable ease of reading for the operator, and remain under vacuum during operation.
- 1.4 Farmer's rubberware is disconnected without damage to equipment or rubberware, and in accordance with organisational procedures.
- 1.5 Milk meter rubberware is connected to the relevant inlet and outlet tubes in accordance with manufacturer's recommendations and adjustments are made in accordance with organisational procedures.
- 1.6 Recommendations are provided for sanitising rinse in accordance with organisational procedures.
- 1.7 All procedures carried out respect farmers assets, and maintain confidentiality.

Element 2

Collect milk samples for herd testing.

Performance criteria

- 2.1 Milk meters are checked and adjusted after milking machine is switched on, in accordance with organisational procedures.
- 2.2 Roles of people assisting are confirmed in accordance with organisational procedures.
- 2.3 Communication with people involved with collecting milk samples is clear, respectful, and unambiguous.
- 2.4 Milk sample of each cow is collected into flask or vial relevant to the equipment and the system that is used, in accordance with organisational procedures.

- 2.5 Cow details are recorded in accordance with organisational procedures.
- 2.6 Abnormal readings during milk meter operation are identified, corrected, recorded, and reported in accordance with organisational procedures.
- Range abnormal readings from – measuring flask filling too fast, little or no sample in measuring flask.
- 2.7 Flasks or vials are placed in carry trays in accordance with organisational procedures.
- 2.8 Records are maintained, in consultation with the farmer as required, in accordance with organisational procedures.
- Range records include but are not limited to – operation of equipment; irregularities – cow, sample, test card.

Element 3

Carry out procedures following milk sample collection.

Performance criteria

- 3.1 The outside of milk meters and hoses are washed and in place during the farmer's hot wash cycle for the milking plant, in accordance with organisational procedures.
- 3.2 Milk meters are dismantled, and checked in accordance with organisational procedures.
- 3.3 Farmer's rubberware is re-connected in accordance with system requirements, and organisational procedures.
- 3.4 Samples and equipment are stacked, checked, and are ready for transport to collection point or delivered, in accordance with organisational procedures.
- Range samples, milk meters, rubberware, documentation.
- 3.5 Records are maintained in accordance with organisational procedures.
- Range records may include but are not limited to – farm details, herd code, test date, test type, test card label and/or tray label, abnormal codes.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP 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.

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.