

Demonstrate knowledge of mastitis management in dairy cows using the SAMM plan

Level 3

Credits 6

Purpose People credited with this unit standard are able to demonstrate knowledge of mastitis management in dairy cows using the Seasonal Approach to Managing Mastitis (SAMM) plan.

Subfield Agriculture

Domain Dairy Farming

Status Registered

Status date 24 August 2007

Date version published 24 August 2007

Planned review date 31 December 2012

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 includes but is not limited to – Health and Safety in Employment Act 1992, Animal Products Act 1999, Animal Welfare Act 1999, Food Act 1981, Agricultural Compounds and Veterinary Medicines Act 1997.
- 2 References
NZCP-1, New Zealand Dairy Industry Farm Dairy Code of Practice, New Zealand Food Safety Authority, ISBN 0-908946-00-7, referred to as the code of practice.
DPC 2: Animal Products (Dairy) Approved Criteria for Farm Dairies, referred to as DPC 2. Available from the NZ Food Safety Authority website, <http://www.nzfsa.govt.nz>.

National Mastitis Advisory Committee *SAMM Plan, Explanatory Booklet*, Revised, March 2006, available from Livestock Improvement, <http://www.lic.co.nz>, or Dexcel Limited, <http://www.dexcel.co.nz>.

Managing Mastitis: A practical guide for New Zealand dairy farmers, 3rd Edition, available from Livestock Improvement, <http://www.lic.co.nz>.

Elements and performance criteria

Element 1

Demonstrate knowledge of mastitis management in dairy cows using the Seasonal Approach to Managing Mastitis (SAMM) plan.

Performance criteria

- 1.1 Mastitis management is described in terms of the use of the SAMM plan.
- 1.2 Mastitis management is described in terms of late lactation period control activities.

Range avoid somatic cell count (SCC) grades, collect data to support treatments.
- 1.3 Mastitis management is described in terms of late lactation period treatment strategies at drying off.

Range blanket dry cow treatment (DCT), selective treatment, culling.
- 1.4 Dry cow treatment for mastitis management during drying off period is described in terms of risk factors, methods of treatment, and drying off techniques.
- 1.5 Mastitis management is described in terms of dry off period control activities.

Range regular checking, review of SAMM recording system, service milking machines, herd testing and interpretation of results, prepare herd for next season.
- 1.6 Mastitis management is described in terms of calving period control activities.

Range calving environment, milking post calving, teat sanitation, milking efficiency, management of leaking cows, teat spray.
- 1.7 Mastitis management is described in terms of the colostrum period control activities.

Range management of newly calved cows, cows likely to have a problem.

- 1.8 Mastitis management is described in terms of lactation period control activities.
- Range milking technique, milking machine maintenance, teat spray, bulk milk counts, hygiene of environment and cows,
- 1.9 Mastitis management is described in terms of the recording procedures as specified in DPC 2.

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.