

New Zealand Veterinary Journal >

Te Hautaka Tākuta Kararehe o Aotearoa

Volume 59, 2011 - Issue 1: Achieving real change in adoption of new knowledge in the dairy industry

7,129 375

Views

CrossRef citations to date

9

Altmetric

Feature Series Articles: Achieving real change in adoption of new knowledge in the dairy industry

# Economic aspects of mastitis: New developments

H Hogeveen, K Huijps & TJGM Lam

Pages 16-23 | Received 18 Jun 2010, Accepted 29 Oct 2010, Published online: 02 Feb 2011

 Cite this article  <https://doi.org/10.1080/00480169.2011.547165>

Sample our  
Environment & Agriculture  
Journals  
>> [Sign in here](#) to start your access  
to the latest two volumes for 14 days

 Full Article

 Figures & data

 References

 Citations

 Metrics

 Reprints & Permissions

[Read this article](#)

 Share

## We Care About Your Privacy

We and our 891 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting I Accept enables tracking technologies to support the purposes shown under we and our partners process data to provide. Selecting Reject All or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the Show Purposes link on the bottom of the webpage .Your choices will have effect within our Website. For more details, refer to our Privacy Policy. [Here](#)

We and our partners process data to provide:

Use precise geolocation data. Actively scan device

 I Accept

Reject All

Show Purpose



to farmers' decision-making, it is important to describe the mastitis setting not only in terms of disease, e.g. incidence of clinical mastitis, but also in monetary terms; and to make good decisions, it is necessary to provide the dairy farmer with information on the additional expenditure and reduced losses associated with alternative decisions. Six out of 18 preventive measures were shown to have a positive nett benefit, viz blanket use of dry-cow therapy, keeping cows standing after milking, back-flushing of the milk cluster after milking a cow with clinical mastitis, application of a treatment protocol, washing dirty udders, and the use of milkers' gloves. For those measures that included a large amount of routine labour or investment, the reduced losses did not outweigh the additional expenditure.

The advisor cannot expect that measures that are cost-effective are always implemented. Reasons for this are the objectives of the dairy farmer can be other than maximisation of profit, resources to improve the mastitis situation compete with other fields of management, risk involved with the decision, economic behaviour of the dairy farmer, and valuation of the cost factors by the dairy farmer. For all decision-makers this means that, although financial incentives do have an effect on the management of mastitis, it is not always sufficient to show the economic benefits of improved management to induce an improvement of management of mastitis.

KEY WORDS:

Udder health

✕

Acknowledgements

A large part of the research was funded by the Dutch Ministry of Agriculture, Nature and Fisheries. The research was financially supported by the Dutch Ministry of Agriculture, Nature and Fisheries.

Related

2,4-Triphenylmethane Derivatives in the Treatment of Mastitis in Dairy Goats with Induced Subclinical Mastitis.

Source: Hindawi

Biosensors for On-Farm Diagnosis of Mastitis.

Source: Frontiers Media SA

Transcriptomic and genomic evidence for *Streptococcus agalactiae* adaptation to the bovine environment

Source: Springer Science and Business Media LLC

Molecular Detection and Sensitivity to Antibiotics and Bacteriocins of Pathogens Isolated from Bovine Mastitis in Family Dairy Herds of Central Mexico

Source: Hindawi Publishing Corporation

Prevalence of bovine milk pathogens in Azorean pastures: mobile versus fixed milking machines

Source: BMJ Publishing Group

Transcriptome MicroRNA Profiling of Bovine Mammary Glands Infected with *Staphylococcus aureus*

Source: MDPI AG

Molecular types, virulence profiles and antimicrobial resistance of *Escherichia coli* causing bovine mastitis.

Source: Wiley

Chitosan and cloxacillin combination improve antibiotic efficacy against different lifestyle of coagulase-negative *Staphylococcus* isolates from chronic bovine mastitis.

Source: Nature Publishing Group

Characterization of promoter sequence of toll-like receptor genes in Vechur cattle.

Source: Veterinary World

Elimin

intran

Source

CD36

interr

epith

Source

The

R

Source

Chara

Austr

Source

Liquid

Spect

Diagn

Source: American Chemical Society



Development of an ovine efferent mammary lymphatic cannulation model with minimal tissue damage

Source: Springer Science and Business Media LLC

Nanoparticles for treatment of bovine *Staphylococcus aureus* mastitis.

Source: Taylor & Francis

The major acute phase proteins of bovine milk in a commercial dairy herd

Source: Springer Science and Business Media LLC

Potential of the virion-associated peptidoglycan hydrolase HydH5 and its derivative fusion proteins in milk biopreservation.

Source: Public Library of Science (PLOS)

Prevalence of subclinical mastitis in Finnish dairy cows: changes during recent decades and impact of cow and herd factors.

Source: BMC

Rupture of the mammary vein in a Holstein cow with mastitis and udder edema: case report

Source: Sociedade de Medicina Veterinária do Estado do Rio de Janeiro.

Characterization of *Staphylococcus* Species Isolated from Bovine Quarter Milk Samples

Source: Multidisciplinary Digital Publishing Institute

Effect of lactation therapy on *Staphylococcus aureus* transmission dynamics in two commercial dairy herds

Source: Springer Science and Business Media LLC

Genome-wide association study in Chinese Holstein cows reveal two candidate genes for somatic cell count as a predictor for mastitis susceptibility

Source:

Antibiotic resistance in *Staphylococcus aureus* isolated from mastitis

Source:

Dairy cattle mastitis: a review of the epidemiology, diagnosis and treatment

Source:

Control of mastitis in dairy cattle: a review of the epidemiology, diagnosis and treatment

*aureus*

Source:

Effect of lactation therapy on *Staphylococcus aureus* transmission dynamics in two commercial dairy herds

Micro

Source:

Geno

Source:

Masti

Strep

pepti

Source: Royal Society of Chemistry (RSC)



Identification of Host Defense-Related Proteins Using Label-Free Quantitative Proteomic Analysis of Milk Whey from Cows with Staphylococcus aureus Subclinical Mastitis.


Source: MDPI

No evidence for a bovine mastitis Escherichia coli pathotype

Source: BMC

Phage Lytic Protein LysRODI Prevents Staphylococcal Mastitis in Mice.

Source: Frontiers Media S.A.

Linking provided by 

## Related research

People also read

Recommended articles

Cited by  
375



## Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

## Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

## Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

## Help and information

- Help and contact
- Newsroom
- All journals
- Books

## Keep up to date

Register to receive personalised research and resources by email

 Sign me up



Copyright

Accessib

Registered  
5 Howick Pl

or & Francis Group  
orma business

