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

Economic aspects of mastitis: New developments

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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:



Source: Journal of Agricultural Economics

Stochastic bio-economic model of bovine intramammary infection

Source: Livestock Science

Effects of Somatic Cell Count on Quality and Shelf-Life of Pasteurized Fluid Milk

Source: Journal of Dairy Science

Challenging the myth of the irrational dairy farmer; understanding decision-making

related to herd health

Source: New Zealand Veterinary Journal

A simulation model to calculate costs and benefits of dry period interventions in dairy

cattle

Source: Livestock Science

Stochastic Modeling to Determine the Economic Effects of Blanket, Selective, and No

Dry Cow Therapy

Source: Journal of Dairy Science

Partial budget analysis of vaccinating dairy cattle against coliform mastitis with an

Escherichia coli J5 vaccine

Source: Journal of the American Veterinary Medical Association

The Cost of Generic Clinical Mastitis in Dairy Cows as Estimated by Using Dynamic

Programming

Source: Journal of Dairy Science

Preferences of cost factors for mastitis management among Dutch dairy farmers using adaptive conjoint analysis



Source: Journal of Dairy Science

Sub-optimal economic behaviour with respect to mastitis management

Source: European Review of Agricultural Economics

An exploration of the drivers to bio-security collective action among a sample of UK cattle and sheep farmers

Source: Preventive Veterinary Medicine

Influence of Variable Milk Quality Premiums on Observed Milk Quality

Source: Journal of Dairy Science

Production loss due to new subclinical mastitis in Dutch dairy cows estimated with a test-day model

Source: Journal of Dairy Science

The economic impact of mastitis-control procedures used in Scottish dairy herds with high bulk-tank somatic-cell counts

Source: Preventive Veterinary Medicine

Stakeholder, citizen and consumer interests in farm animal welfare

Source: Animal Welfare

A mixed methods inquiry: How dairy farmers perceive the value(s) of their involvement

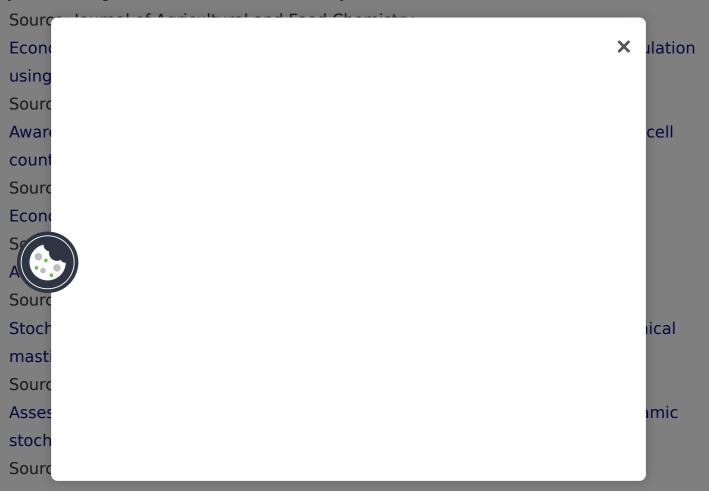
in an intensive dairy herd health management program

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A framework for the economic analysis of disease in farm livestock

Source: Preventive Veterinary Medicine

Milk and Dairy Products in the 21st Century Prepared for the 50th Anniversary of the Journal of Agricultural and Food Chemistry



What veterinarians need to know about communication to optimise their role as advisors on udder health in dairy herds Source: New Zealand Veterinary Journal Effect of Somatic Cell Count on Proteolysis and Lipolysis in Pasteurized Fluid Milk During Shelf-Life Storage Source: Journal of Dairy Science A mixed methods inquiry into the validity of data Source: Acta Veterinaria Scandinavica Motivation of Dairy Farmers to Improve Mastitis Management Source: Journal of Dairy Science Costs of mastitis: facts and perception Source: Journal of Dairy Research Decision tree analysis to evaluate dry cow strategies under UK conditions Source: Journal of Dairy Research Some empirical evidence on dynamic inconsistency Source: Economics Letters Partial Budget of the Discounted Annual Benefit of Mastitis Control Strategies Source: Journal of Dairy Science Economic effects of bovine mastitis and mastitis management: A review Source: Veterinary Quarterly Public opinion on UK milk marketing and dairy cow welfare Source: Animal Welfare Masti* X Sourc Econo Sourc Ontai Cell Coun Sourc Relate

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