

Improving dairy herd health

Edited by Professor Émile Bouchard, University of Montreal, Canada



 burleigh dodds
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Improving dairy herd health

Edited by: Prof. Emile Bouchard, University of Montreal,
Canada

Endorsement:

"If the coronavirus pandemic has taught us one thing, it is the importance of paying attention to the health of populations. The dairy industry have been leaders in this regard. This collection will take readers from the basic principles (applied epidemiology) through a broad range of specific topics, including the need to optimize animal welfare. Professor Bouchard has assembled an exceptional cast of international leaders in the field and I am confident this collection will be an exceptional resource for practitioners, scientists working in the field and students of the discipline."

Emeritus Professor Ian Dohoo, Prince Edward Island University, Canada

Description:

Increasing concern about over-reliance on antibiotics (resulting in antimicrobial resistance), as well as broader concerns about animal welfare, have put greater emphasis on preventative measures in maintaining the health of farm animals. Herd health management (HHM) programmes take a population approach based on quantitative epidemiology which makes it possible to assess disease risk and, as a result, prevent and manage diseases more effectively.

Improving dairy herd health reviews key challenges in dairy herd health management, such as effective monitoring and diagnosis of infectious diseases, as well as recent developments in areas such as disease prevention and disease surveillance. This collection reviews HHM issues across the dairy cow life cycle, from reproduction and calf health to the transition stage and replacement of stock. Later chapters discuss the successful implementation of HHM programmes in specific instances, from maintaining udder and hoof health, to preventing metabolic disorders, bacterial and viral diseases, as well as parasitic infections.

Key features:

- Particular focus on prerequisites required for effective herd health management (HHM) programmes, including understanding bovine disease epidemiology, improving disease surveillance (including the use of sensors), data-driven decision-making based on cow health records, as well as advances in understanding and optimising immune response
- Reviews HHM issues across the dairy cow life cycle, from reproduction and calf health to the transition stage and replacement of stock
- Shows how HHM programmes can work in practice for particular conditions, from udder and hoof health to preventing metabolic disorders, bacterial and viral diseases as well as parasitic infections

Audience:

University and other researchers in dairy and veterinary science; dairy veterinary practitioners; governments and other agencies responsible for disease prevention and control on dairy farms; companies providing veterinary and nutritional products to optimise dairy cattle health; farmers instigating herd health programmes

Editor details:

Dr Émile Bouchard is a Professor in the Faculty of Veterinary Medicine at the University of Montreal, Saint-Hyacinthe, Canada. Professor Bouchard is current President of the World Association for Buiatrics and is internationally known for his research on dairy cattle medicine and herd health.

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