

## Achieving sustainable production of milk

Volume 2: Safety, quality and sustainability

Edited by Dr Nico van Belzen  
International Dairy Federation (IDF), Belgium



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SCIENCE PUBLISHING

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## New book advance information

# Achieving sustainable production of milk Volume 2

## Safety, quality and sustainability

Edited by: Nico van Belzen, Director General of the International Dairy Federation (IDF), Belgium

### Endorsement:

"As demand for dairy products continues to grow, and with sustainable nutrition and food security at the top of the global agenda, it is imperative that we develop and share the latest knowledge, practices and issues relating to sustainability of dairy chains. With a veritable Who's Who of dairy expertise and an expert editor in IDF Director General Nico van Belzen, *Achieving sustainable production of milk* will go a long way to achieving this.

*Dr Jeremy Hill, President - IDF/Chief Technology Officer - Fonterra Co-operative Group Ltd.*

### Key features:

- Summarises current research on pathogenic risks affecting milk and ways they can be controlled on the farm;
- Reviews ways of measuring and reducing the environmental impact of dairy farming such as better grassland management;
- Assesses the wider role of dairy farming and how it can be improved in the developing world

### Description:

Cow's milk is one of the world's most important agricultural food products. Its importance in the diet is widely acknowledged and it is an essential ingredient in a wide range of foods. In meeting rising demand, more intensive dairying systems face a range of challenges such as maintaining high standards of safety in the face of the continuing threat from zoonoses entering the food chain, whilst sustaining nutritional and sensory quality. At the same time farms need to become more efficient and sustainable. Finally, farming must also meet higher standards of animal health and welfare. Smallholder systems in developing countries face problems such as poor cattle nutrition, low productivity and vulnerability to disease which impact on safety, quality, sustainability and animal welfare.

Drawing on an international range of expertise, this book reviews research addressing safety quality and sustainability. Part 1 reviews pathogens affecting milk, their detection and control. The second part of the book discusses the environmental impact of dairy farming and ways it can be better managed, from improved nutrition to ways of protecting biodiversity. The book also reviews ways of supporting smallholders improve dairy farming in the developing world.

*Achieving sustainable production of milk Volume 2: Safety, quality and sustainability* will be a standard reference for animal and dairy scientists in universities, government and other research centres and companies involved in milk production. It is accompanied by two further volumes which review milk composition, genetics and breeding as well as dairy herd management and welfare.

### Editor details:

Dr Nico van Belzen is Director-General of the International Dairy Federation (IDF), Belgium. He has occupied senior roles in both industry and research organisations, both as Head of the Research and Analysis department at the ingredients division of Campina and as Executive Director of the European Branch of the International Life Sciences Institute (ILSI).

## New book advance information

### Table of contents

#### Part 1 Ensuring the safety and quality of milk on the farm

1. Pathogens affecting raw milk from cows: *Claire Verraes, Sabine Cardoen and Wendie Claeys, Federal Agency for the Safety of the Food Chain; and Lieve Herman, Institute for Agricultural and Fisheries Research, Belgium*
2. Detecting pathogens in milk on dairy farms: key issues for developing countries: *Delia Grace, Silvia Alonso, Johanna Lindahl, Sara Ahlberg and Ram Pratim Deka, International Livestock Research Institute (ILRI), Kenya*
3. Mastitis, cow's milk quality and safety: *Paolo Moroni, Cornell University, USA*
4. Chemical contaminants in milk: *Bernadette O'Brien, Teagasc, Ireland*
5. Detecting and preventing contamination of dairy cattle feed: *Delia Grace, International Livestock Research Institute, Kenya*
6. Minimising the development of antimicrobial resistance on dairy farms: appropriate use of antibiotics for the treatment of mastitis: *Pamela L. Ruegg, University of Wisconsin-Madison, USA*
7. Food safety management systems on dairy farms: *Dr Réjean Bouchard, Formerly Dairy Farmers of Canada, Canada*

#### Part 2 Sustainability

8. The environmental impact of dairy farming: an overview: *Norman Scott, Cornell University, USA*
9. Setting environmental targets for dairy farming: *Sophie Bertrand, French Dairy Board (CNIEL), France*
10. Grassland management to minimise the environmental impact of dairy farming: *Margaret E. Graves and Ralph C. Martin, University of Guelph, Canada*
11. Water and energy management to minimise the environmental impact of dairy farming: *John Upton, Teagasc, Ireland*
12. Ensuring biodiversity in dairy farming: *Ben Tyson, Central Connecticut State University, USA; Liza Storey and Nick Edgar, New Zealand Landcare Trust, New Zealand; Jonathan Draper, Central Connecticut State University, USA; and Christine Unson, Southern Connecticut State University, USA*
13. Organic dairy farming and sustainability: *Veronika Maurer, Research Institute of Organic Agriculture (FiBL), Switzerland*
14. Trends in dairy farming and milk production: the case of the UK and New Zealand: *Alison Bailey, Lincoln University, New Zealand*
15. Assessing the overall impact of dairy farming: *Jeremy Hill, Fonterra Co-operative Group Ltd, New Zealand*

#### Part 3 Improving quality, safety and sustainability in developing countries

16. Improving smallholder dairy farming in tropical Asia: *John Moran, Profitable Dairy Systems, Australia*
17. Improving smallholder dairy farming in Africa: *Julie Ojango, International Livestock Research Institute (ILRI), Kenya*
18. Health and welfare issues in organic dairying: *Gidi Smolders, Wageningen University, The Netherlands*

#### Other products in this category

- Ensuring safety and quality in the production of beef Volume 1 Safety
- Ensuring safety and quality in the production of beef Volume 2 Quality
- Achieving sustainable production of milk Volume 1 Milk composition, genetics and breeding
- Achieving sustainable production of milk Volume 3 Dairy herd management and welfare
- Achieving sustainable production of sheep
- Achieving sustainable production of pig meat Volume 1 Safety, quality and sustainability
- Achieving sustainable production of pig meat Volume 2 Animal breeding and nutrition
- Achieving sustainable production of pig meat Volume 3 Animal health and welfare
- Improving organic animal farming