

BURLEIGH DODDS SCIENCE PUBLISHING

# Delivering knowledge for the global scientific community

climate•SMART•publishing  
IN AGRICULTURAL SCIENCE

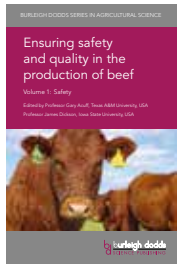
NEW ANIMAL SCIENCE PUBLICATIONS



[www.bdspublishing.com](http://www.bdspublishing.com)

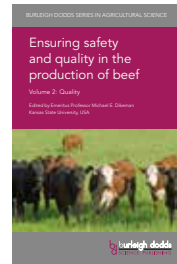
**bd** burleigh dodds  
SCIENCE PUBLISHING

## BEEF



**Ensuring safety and quality in the production of beef - Vol 1: Safety**  
 Editors Prof. Gary Acuff, Texas A&M University, USA, & Prof. James Dickson, Iowa State University, USA  
 ISBN - print 978-1-78676-056-2  
 ISBN - ePub 978-1-78676-058-6  
 ISBN - ePDF 978-1-78676-059-3  
 Pages 252  
 Pub. Date May 2017  
 Price £130/\$170/€155/C\$220  
 Series No AS11

Volume 1 looks at key research trends in ensuring safe beef production, both on the farm and during slaughter. These include current research on pathogens in beef, risk assessment and detection as well as food safety management.



**Ensuring safety and quality in the production of beef - Vol 2: Quality**  
 Editor Emeritus Prof. Michael Dikeman, Kansas State University, USA  
 ISBN - print 978-1-78676-060-9  
 ISBN - ePub 978-1-78676-062-3  
 ISBN - ePDF 978-1-78676-063-0  
 Pages 442  
 Pub. Date April 2017  
 Price £190/\$245/€230/C\$325  
 Series No AS12

Volume 2 reviews developments related to quality, starting with the way breeding and growth affect meat quality. The book then discusses cattle nutrition and management before concluding with an assessment of factors determining individual quality traits such as colour and flavour.

## DAIRY



**Achieving sustainable production of milk - Vol 1: Milk composition, genetics and breeding**  
 Editor Dr Nico van Belzen, International Dairy Federation (IDF), Belgium  
 ISBN - print 978-1-78676-044-9  
 ISBN - ePub 978-1-78676-046-3  
 ISBN - ePDF 978-1-78676-047-0  
 Pages 360  
 Pub. Date March 2017  
 Price £150/\$195/€180/C\$255  
 Series No AS08

This book provides a detailed review of current research on key components and quality traits of milk as well as ways of measuring milk quality. It then discusses genetic factors affecting these traits and how they can be used to improve breeding of dairy cows.



**Achieving sustainable production of milk - Vol 2: Safety, quality and sustainability**  
 Editor Dr Nico van Belzen, International Dairy Federation (IDF), Belgium  
 ISBN - print 978-1-78676-048-7  
 ISBN - ePub 978-1-78676-050-0  
 ISBN - ePDF 978-1-78676-051-7  
 Pages 432  
 Pub. Date May 2017  
 Price £200/\$260/€240/C\$340  
 Series No AS09

Safety remains a key issue for the dairy industry. Vol 2 reviews current research on understanding and managing pathogens in dairy farms. It also discusses more recent concerns about the environmental impact of dairy farming and ways it can be made more sustainable, including in developing countries.



**Achieving sustainable production of milk - Vol 3: Dairy herd management and welfare**  
 Editor Emeritus Prof. John Webster, University of Bristol, UK  
 ISBN - print 978-1-78676-052-4  
 ISBN - ePub 978-1-78676-054-8  
 ISBN - ePDF 978-1-78676-055-5  
 Pages 606  
 Pub. Date August 2017  
 Price £240/\$310/€290/C\$410  
 Series No AS10

Animal health and welfare are of major importance in dairy farming. This collection looks at the key issues affecting dairy herd welfare as well as ways of optimising dairy cattle nutrition. It also reviews ways of detecting, preventing and managing diseases affecting dairy cattle.

## What others are saying about Poultry:

**"Needless to say, such a book is timely as it provides a valuable account of modern food safety management in poultry processing, coupled with the key elements of sustainable production systems."**

*Poultry Production*



## POULTRY



**Achieving sustainable production of poultry meat - Vol 1: Safety, quality and sustainability**  
 Editor Prof. Steven C. Ricke, University of Arkansas, USA  
 ISBN - print 978-1-78676-064-7  
 ISBN - ePub 978-1-78676-066-1  
 ISBN - ePDF 978-1-78676-067-8  
 Pages 502  
 Pub. Date December 2016  
 Price £220/\$285/€265/C\$375  
 Series No AS13

Poultry production faces many challenges. This collection starts by reviewing safety, including detection, prevention and control of zoonoses in poultry flocks. It also discusses key aspects of quality such as meat flavour as well as wider issues such as the environmental impact of poultry production.



**Achieving sustainable production of poultry meat - Vol 2: Breeding and nutrition**  
 Editor Prof. Todd Applegate, University of Georgia, USA  
 ISBN - print 978-1-78676-068-5  
 ISBN - ePub 978-1-78676-070-8  
 ISBN - ePDF 978-1-78676-071-5  
 Pages 342  
 Pub. Date July 2017  
 Price £150/\$170/€180/C\$255  
 Series No AS14

There have been significant advances in poultry breeding and nutrition. This books discusses key developments such as marker-assisted breeding and improvements in poultry feed such as the use of enzymes to optimise nutritional efficiency.

## POULTRY

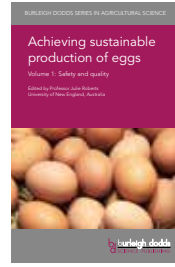


### Achieving sustainable production of poultry meat - Vol 3: Health and welfare

Editor Prof. Todd Applegate  
University of Georgia, USA

ISBN - print 978-1-78676-072-2  
ISBN - ePub 978-1-78676-074-6  
ISBN - ePDF 978-1-78676-075-3  
Pages 350  
Pub. Date August 2017  
Price £160/\$210/€190/C\$270  
Series No AS15

Health and welfare are major issues in poultry production. This collection reviews our understanding of bacterial, viral and other diseases affecting poultry and their effective management. It also discusses ways of managing poultry flocks to optimise their welfare from hatching to slaughter.

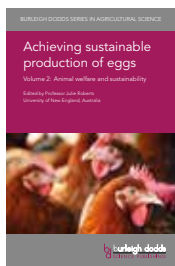


### Achieving sustainable production of eggs - Vol 1: Safety and quality

Editor Prof. Julie Roberts  
University of New England, Australia

ISBN - print 978-1-78676-076-0  
ISBN - ePub 978-1-78676-078-4  
ISBN - ePDF 978-1-78676-079-1  
Pages 430  
Pub. Date March 2017  
Price £180/\$235/€215/C\$305  
Series No AS16

This collection begins by looking at egg composition and chemistry. This provides a foundation for discussing pathogenic contamination of eggs and methods for its prevention, detection and control. The book concludes by assessing factors affecting egg appearance, shelf-life, nutritional value and other quality traits.



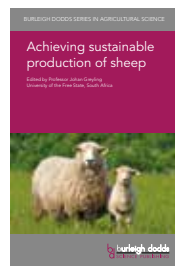
### Achieving sustainable production of eggs - Vol 2: Animal welfare and sustainability

Editor Prof. Julie Roberts  
University of New England, Australia

ISBN - print 978-1-78676-080-7  
ISBN - ePub 978-1-78676-082-1  
ISBN - ePDF 978-1-78676-083-8  
Pages 234  
Pub. Date February 2017  
Price £130/\$170/€155/C\$220  
Series No AS17

Welfare and sustainability are now major issues in egg production. This book reviews nutrition and other aspects of husbandry affecting laying hens as well as the environmental impact of egg production and how it can be made more sustainable.

## SHEEP



### Achieving sustainable production of sheep

Editor Prof. Johan Greyling  
University of the Free State, South Africa

ISBN - print 978-1-78676-084-5  
ISBN - ePub 978-1-78676-086-9  
ISBN - ePDF 978-1-78676-087-6  
Pages 474  
Pub. Date September 2017  
Price £230/\$300/€275/C\$390  
Series No AS22

Sheep have long been a feature of farming. This collection reviews the latest research on issues such as meat quality, genetics and breeding. It also discusses animal nutrition, health and welfare as well as ways of improving the sustainability of sheep production.

## PIGS



### Achieving sustainable production of pig meat - Vol 1: Safety, quality and sustainability

Editor Prof. Alan Mathew  
Purdue University, USA

ISBN - print 978-1-78676-088-3  
ISBN - ePub 978-1-78676-090-6  
ISBN - ePDF 978-1-78676-091-3  
Pages 280  
Pub. Date May 2018  
Price £130/\$170/€155/C\$220  
Series No AS23

Pig meat is the most widely-consumed meat in the world. This volume addresses some of the key challenges facing pig farming such as the continuing threat from zoonoses, ways of maintaining and improving meat quality as well as making pig production more sustainable.



### Achieving sustainable production of pig meat - Vol 2: Animal breeding and nutrition

Editor Prof. Julian Wiseman  
University of Nottingham, UK

ISBN - print 978-1-78676-092-0  
ISBN - ePub 978-1-78676-094-4  
ISBN - ePDF 978-1-78676-095-1  
Pages 340  
Pub. Date October 2017  
Price £160/\$180/€190/C\$270  
Series No AS24

Pig production faces many hurdles in meeting increasing global demand sustainably. This volume discusses advances in breeding to improve both productivity and quality. It also reviews key developments in improving animal nutrition, health and welfare.



### Achieving sustainable production of pig meat - Vol 3: Animal health and welfare

Editor Prof. Julian Wiseman  
University of Nottingham, UK

ISBN - print 978-1-78676-096-8  
ISBN - ePub 978-1-78676-098-2  
ISBN - ePDF 978-1-78676-099-9  
Pages 326  
Pub. Date March 2018  
Price £140/\$210/€170/C\$240  
Series No AS25

Maintaining animal health and high standards of animal welfare are seen as key to sustainable livestock production. This volume reviews the effective management of diseases affecting pigs as well as ways of defining and promoting animal welfare in pig production.

## ANIMAL MANAGEMENT



### Improving organic animal farming

Editors Dr Mette Vaarst, Aarhus University, Denmark & Dr Stephen Roderick, Duchy College, Cornwall, UK

ISBN - print 978-1-78676-180-4  
ISBN - ePub 978-1-78676-182-8  
ISBN - ePDF 978-1-78676-183-5  
Pages 420  
Pub. Date March 2019  
Price £170/\$220/€205/C\$290  
Series No AS46

This collection addresses recent research on challenges facing organic animal farming such as more targeted breeding, improved grazing and feed rations, better methods of health and disease management as well as ways of enhancing animal welfare.



## See what others are saying about Beef Volumes 1 & 2 :

"Overall, Drs Acuff and Dickson have produced a truly international and model reference here; it reflects robust research-based knowledge and best practices across the entire supply chain of the beef industry. Authors reflect international expertise, and the topics are well-organized and germane to beef's role in public health. Each author has compiled a very comprehensive discussion of their respective topics; but each chapter is ultimately comprehensible on food safety issues for even the less-knowledgeable reader. The text reflects the thoughts and knowledge of some of the best food safety minds in the business... all-in-all, a great read!"

"...Ensuring Safety and Quality in the Production of Beef, is a breath of fresh air. It covers a mountain of factors that can contribute to beef demand. It assembles a truly remarkable set of authors; scientists that have spent a career on their specific topics. This text is a "must read"!!

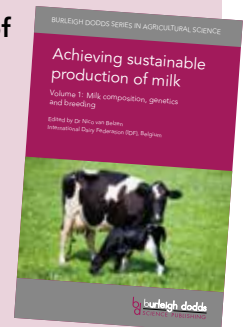
Meat Science



## What others are saying about Milk:

"Edited by the Director General of the International Dairy Federation, Dr Nico van Belzen, there can be little doubt regarding the scientific quality and likely impact of these volumes... I hope that the books/chapters will find a large audience and, by doing so, help to achieve the sustainability of milk production that the title promises"

Journal of Dairy Research



## Ways to order

All our books are available in print and digital formats. Chapters are available in digital formats only. There are a variety of ways to purchase and gain access to the content.

### PRINT

#### All territories (exc. US & Canada)

Please pass on to your librarian or contact your usual book supplier. Direct orders to [orders@bndinternational.com](mailto:orders@bndinternational.com)  
Enquiries to [info@bdspublishing.com](mailto:info@bdspublishing.com)

#### US & Canada

Please pass on to your librarian or contact your usual book supplier. North American enquiries [kim@caslonconsulting.com](mailto:kim@caslonconsulting.com) or 215-928-9112

Via the website [www.bdspublishing.com](http://www.bdspublishing.com)  
Shop url: <https://shop.bdspublishing.com>

### DIGITAL

#### Institutional/Library purchases

Taylor & Francis [www.taylorfrancis.com](http://www.taylorfrancis.com)

#### UK, Europe & Rest of World

Angelie Torne: Sales Director, eBooks  
[angelie.torne@tandf.co.uk](mailto:angelie.torne@tandf.co.uk)

#### US & Canada

Evelyn Elias: Director, Library Sales, Books  
[evelyn.elias@taylorandfrancis.com](mailto:evelyn.elias@taylorandfrancis.com)

E-book aggregators e.g. ProQuest, EBSCO, Dawsonera etc.

### RECOMMEND TO YOUR LIBRARY


Complete the online form at  
<http://bdspublishing.com/library>

### E-BOOK & E-CHAPTER PURCHASES

Via the website [www.bdspublishing.com](http://www.bdspublishing.com)  
Shop url: <https://shop.bdspublishing.com>

General enquiries to [info@bdspublishing.com](mailto:info@bdspublishing.com)

Follow us:  [@bdspublishing](https://twitter.com/bdspublishing)

 Burleigh Dodds Science Publishing

Winner of the Independent Publishing Awards 2018 - Nick Robinson Newcomer Award