

## Advances in precision livestock farming

Edited by Professor Daniel Berckmans  
Katholieke University of Leuven, Belgium



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## New title information

# Advances in precision livestock farming

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### Endorsement:

"Precision farming is growing rapidly across the globe, and I'm very pleased to see the expertise of the individuals who have been brought together for this project. I fully expect that this publication will be highly sought and cited by farmers, advisors, researchers and students around the world. I look forward to seeing this important contribution to the precision farming body of knowledge."

*Dr David Kelton, DFO Research Chair in Dairy Cattle Health/Professor of Epidemiology, University of Guelph, Canada*

### Description:

The livestock sector is facing increasing pressure to develop more 'climate-smart' methods that can be used to prevent the onset of major diseases, whilst also monitoring the efficiency and environmental impact of livestock production.

*Advances in Precision Livestock Farming (PLF)* provides a comprehensive review of the recent advances in the development of precision livestock technologies that use continuous, automated, real-time monitoring of animal traits to improve health, welfare and behaviour. The collection tackles the major issues faced by the dairy sector (mastitis, lameness and metabolic disorders) and how PLF technologies can decrease the likelihood of such diseases occurring.

### Key features:

- Provides a comprehensive review of the recent developments in precision livestock technologies, from wearable sensors, to thermal imaging techniques
- Covers the latest research on the application of precision livestock technologies in monitoring livestock health
- Highlights the potential of precision livestock technologies to reduce the environmental impact of livestock production

### Audience:

Livestock scientists in universities and research centres; precision farming manufacturers; government and private sector agencies involved in the regulation of new technologies

### Editor details:

**Professor Daniel Berckmans** was Head of the M3-Biores (Measure, Model and Manage Bioresponses) Division at the Katholieke University of Leuven, Belgium for over 20 years. His team is widely regarded as a world leader in precision livestock farming, producing over 250 publications and over 400 conference papers, and with 17 new products brought to market and 20 patents submitted. Professor Berckmans himself has published over 250 scientific papers, coordinated a number of EU research projects and is co-founder of two spin-off companies from his research.

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### Related products:

- Improving dairy herd health, 978-1-78676-467-6, 20 Jul 2021, GBP 150.00, EUR 180.00, USD 195.00, CAD 255.00, and AUD 270.00
- Improving data management and decision support systems in agriculture, 978-1-78676-340-2, 28 Apr 2020, GBP 160.00, EUR 190.00, USD 210.00, CAD 270.00, and AUD 290.00
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