Advances in pig nutrition



b burleigh dodds

Publication date 28 May 2024

Price

£150/\$195/C\$255/€180/A\$270

ISBN

Hardback: 978-1-80146-694-3 ePub: 978-1-80146-695-0 PDF: 978-1-80146-696-7

Format

 152×229 mm / 6×9 in, 400 pages

Illustrations Color tables, photos and figures

Series

Burleigh Dodds Series in Agricultural Science: no. 155

BIC/THEMA classification

TVH - Animal husbandry, TVF -Sustainable agriculture

Distributors INGRAM. Publisher Services UK

Print books (exc. US and Canada)



eBooks (worldwide)

Updated 23/04/24

New title information

Advances in pig nutrition

Edited by: Professor Julian Wiseman, University of Nottingham, UK

Endorsement:

"Pork production is a highly technical endeavour. It is also one that has changed – and will continue to change – to meet the growing demand for pork meat while addressing consumer and regulatory expectations. Dr Wiseman, a highly regarded and globally prominent authority on animal production and non-ruminant nutrition, has assembled an impressive collection of papers written by an equally impressive selection of authors. The result is a book that maintains the high quality we have come to expect of Dr Wiseman in his previous publications. It addresses topics which are not only critically important but ones which are evolving very quickly. This timely update will be a valuable addition to the library of any professional involved in pork production." (Dr John F. Patience, Professor Emeritus of Animal Science – Iowa State University, USA)

Description:

Pig nutrition faces many challenges, including the need to meet the changing requirements of animals as they grow whilst minimising environmentally damaging nutrient losses. Additionally, with growing crops for feed seen as a significant contributor to climate change, there is an emerging consensus that the sector must seek alternative, more sustainable feed sources which have a reduced impact on the environment.

Advances in pig nutrition provides a comprehensive overview of the range of research addressing these challenges. The book addresses recent advances in understanding feed intake and feed formulation, focussing on advances in understanding pig nutritional requirements and ensuring feed safety.

This collection also reviews the role of feed additives in optimising pig nutrition, including amino acids, probiotics and prebiotics, as well as alternative growth promoters and exogenous enzymes.

Key features:

- Provides a comprehensive overview of the range of feed additives utilised by the sector to optimise pig nutrition, including amino acids ad exogenous enzymes
- Considers both established and emerging alternative feed sources for pigs, such as insects and corn fermented protein
- Addresses the key challenges in developing nutritional guidelines to achieve optimal growth whilst also minimising costs and environmental impact

Audience:

University and other researchers in swine and veterinary science, animal nutritionists, feed manufacturers, advisors consulting swine farmers on aspects of health and nutrition, as well as government and private sector agencies supporting global pig production

Editor details:

Dr Julian Wiseman is Emeritus Professor of Animal Production at the University of Nottingham, UK. He has published widely in the area of non-ruminant nutrition and product quality, has presented papers at some of the leading international conferences in this area and has written or edited a number of books on animal nutrition. He was co-organiser of the annual Nottingham Feed Conference. Professor Wiseman is editor of two earlier Burleigh Dodds Science volumes: Achieving sustainable production of pig meat Volume 2 Animal breeding and nutrition; and Achieving sustainable production of pig meat Volume 3: Animal health and welfare (both published in 2017).

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