Achieving sustainable production of poultry meat



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BIC/Thema classification

TVHP - Poultry farming TVF - Sustainable agriculture TVHB - Animal breeding



New book advance information

Achieving sustainable production of poultry meat Volume 2 **Breeding and nutrition**

Edited by: Todd Applegate, University of Georgia, USA

Endorsement:

"The proposed list of authors is impressive and this will certainly be an excellent publication in poultry science."

Professor Mike Lilburn, Ohio State University, USA

Key features:

- Reviews advances in poultry genetics and their application in marker assisted breeding;
- Summarises recent research on poultry digestion and nutritional requirements;

• Discusses current studies on optimising the role of dietary components such as enzymes, minerals and probiotics

Description:

To meet growing demand, the FAO has estimated that world poultry production needs to grow by 2-3% per year to 2030. Much of the increase in output already achieved has been as a result of improvements in commercial breeds combined with rearing in more intensive production systems. However, more intensive systems have increased the risk of transmission of animal diseases and zoonoses. Consumer expectations of sensory and nutritional quality have never been higher. At the same time consumers are more concerned about the environmental impact of poultry production as well as animal welfare.

Drawing on an international range of expertise, this book reviews research on poultry breeding and nutrition. The first part of the book reviews how advances in genetics have impacted developments in breeding. Part 2 discusses ways of optimising poultry nutrition to ensure quality and sustainability in poultry meat production. Chapters review the use of feedstuffs and ingredients such as amino acids, enzymes and probiotics as well as feed formulation and safety.

Achieving sustainable production of poultry meat Volume 2: Breeding and nutrition will be a standard reference for poultry and food scientists in universities, government and other research centres and companies involved in poultry production. It is accompanied by two further volumes which review safety, quality and sustainability as well as poultry health and welfare.

Editor details:

Professor Todd Applegate is Head of the Department of Poultry Science at the University of Georgia, USA. He was formerly Professor of Animal Sciences at Purdue University, USA. Professor Applegate is a former President of the Poultry Science Association (PSA). Amongst other honours, he is a recipient of the PSA's Evonik Degussa Award for Achievement in Poultry Science, American Feed Industry Association's Poultry Nutrition Research Award, and the Mapleleaf Farms Duck Research Award.

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