the appliance of pig science

BSAS Publication No. 31 Edited by JE Thompson, BP Gill and MA Varley

With the UK pig industry once again at a crucial crossroads, the need and willingness for better and more effective communication and collaboration between all sectors of the pig industry is gathering strength - from those involved in planning and conducting R&D to those who can harness and benefit from it in practice.

This volume discusses how the industry, as a whole, can close the loop and meet the needs of today's researcher, processor, producer and consumer. Views are presented on five key areas of debate: Science into practice; Who matters? The changing market; A return to competitiveness; Dealing with the inevitable; Innovation and inspiration. Also included is a chapter on the nutritional control of Salmonella (workshop) together with the posters that were presented at the meeting.

Contents

Science and knowledge transfer - what the British pig industry needs • Theories, successes and lessons • Funding and facilitation - Defra's pig science and technology transfer programme • The multiple retailers • A direct marketeers view • A British point of view • Where are the gaps? • Can genetics deliver? • Regaining a high health status: Can it be done? How can it be done? • The American dream: A quest for high health • Light at the end of the tunnel • Precision pig management - resolving conflicts by integrated solutions • The production of more fast-growing heavy pigs every year • Emerging feed legislation and related issues • Current developments in pig welfare • Environmental sustainability - legislation, policy drivers and perks • Salmonella and food safety - why it matters for the British pig industry • Biotechnology - opportunities for Europe • Autofom - a new and improved technology for the UK pig industry • Effect of Formi within a Salmonella control programme for finisher pigs • The effect of floor type on ammonia emission, welfare, health and behaviour of growing pigs • Longitudinal study of adverse behaviour of undocked pigs in two different housing systems • Non-invasive endocrine assessments in the domestic sow: towards an automated reproductive monitoring system for pig production • The effect of feeding a high fibre diet from mid-lactation until breeding on subsequent litter size of sows • The effect of docosahexaenoic acid supplementation of the maternal diet on the performance and behaviour of piglets • Effect of neutraceutical supplementation on the growth performance and antioxidant activity in liver and plasma of weaned piglets • Effect of Formi, feed structure and feed processing on the gut health of pigs • Index



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