

BPEX Innovation

Conference 2014

A technical conference showcasing the
future of pig feeding and performance
data interpretation

Tuesday 24 June 2014

Stareton Hall • Stoneleigh Park • Warwickshire • CV8 2TL



#BPEXinnovation

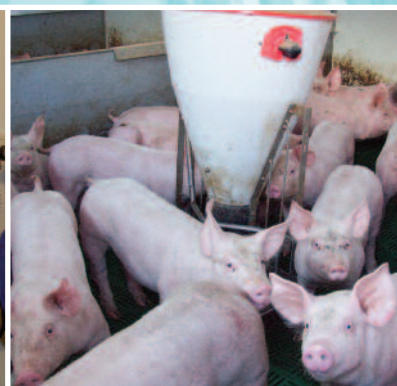
City & Guilds

PIPR

Pig Industry Professional
Register



Agriculture & Horticulture
DEVELOPMENT BOARD





Mick Hazzledine

Premier Nutrition

Mick is a graduate of Reading University. Post-graduation he worked for five years at the Lord Rank Research Centre and then for RHM Agriculture at Wimborne Dorset as pig nutritionist. Subsequently Mick had a number of roles within Dalgety ending up as Technical and Marketing Director for Pigs and Poultry. Mick joined Premier Nutrition in 2000 where he now happily resides looking after their UK pig business. His main academic interest is the commercial application of the latest research findings and he enjoys dialogue with scientists and nutritionists in a number of countries.



Richard Hooper

Harper Adams University

Richard manages the 240-sow indoor unit at Harper Adams University. He also completed a Nuffield Scholarship in 2010 on the recruitment, training and retention of quality staff in the pig industry. His current role involves the education of the next generation of agriculturists in modern pig production, making them aware of the great career opportunities available and carrying out near market research.



Phil Stephenson

TA & PJ Stephenson Ltd

Phil owns a 700 sow indoor farrow to finish unit, which is a family farm originally set up by his father. The sows are housed on straw and fed by ESF, the rest of the unit is fully slatted, auto fed dry feed. Phil has embraced renewable energy on the unit, with two wind turbines, a photovoltaic system and a wood pellet biomass boiler. Phil is also the Vice Chairman of the NPA producer group.



Malcolm Knowles

LKL Farming

Malcolm studied agriculture at Askham Byran, York, and has since spent 35 years as a farm labourer. He managed indoor units with 180-880 sows for 20 years, for both a breeding company and commercial producers. During the last 15 years he has been working with outdoor sows for LKL Farming in several roles, but latterly as production manager for 2,000 sows and associated finishers. Malcolm's main aim is to improve productivity and efficiency, particularly through improving staff input and involvement and by innovation – adapting methods and practices from anywhere!



Dr. Candido Pomar

Department of Agriculture and Agri-Food Canada

Dr. Pomar has been a research scientist with Agriculture and Agri-Food Canada based at Sherbrooke (Lennoxville), Quebec, since 1991. He also acts as adjunct professor at Laval and Sherbrooke universities. Dr. Pomar is heading a research program in swine nutrition, mathematical modeling and carcass evaluation systems and is

engaged in the development of innovative precision feeding and farming systems which will enhance profitability and competitiveness of the Canadian swine industry. Dr Pomar has a large network of collaboration nationally and internationally and has contributed to training many graduate students. He is committed to the animal science community, participating in several scientific societies, has served as Eastern Director of the Canadian Society Animal Science and for two terms as associate editor for the Canadian Journal of Animal Science.



Chris Tapsell

KWS UK Ltd

Chris is a plant breeder and has spent 30 years in breeding working on vegetables and cereals. For half of this time he has managed breeders and researchers in a number of countries and has been involved in company direction. He has worked at a government research institute and for Unilever, Monsanto and KWS and is a visiting professor at Newcastle University. Currently he is Research Director for KWS UK and Global Wheat Breeding Lead for KWS. A key focus for Chris and KWS is breeding cereals which create added value for downstream processing in food, feed and fuel supply chains.



Simon Guise

Rattlerow

Starting out in the industry as a stockman in Oxfordshire, Simon trained at Aberystwyth and then managed farms and breeding programmes in Suffolk and Northamptonshire until a short sabbatical managing a free range poultry business in 2012. On returning to the pig industry in 2013, Simon became the UK Sales Manager for Rattlerow Farms Ltd and also has responsibility for production at Rattlerow Scotland Ltd.



David Speller

Applied Poultry

Nine years after completing the re-development of an old 1960s broiler farm, David's site is used as a showcase by many, including his customer, Moy Park and the NFU. He has won the Moy Park annual efficiency award for the Ashbourne Factory the last 5 years out of 6 and were awarded Farmers Weekly Poultry Farmer of the Year in 2009. From owning the one site, his business currently also rents and contract farms two more sites with more farms due to join in 2013/14. In total at any one time David will be farming 650,000 birds in early 2014 which will rise to 2.2million by 2016, if current plans are fully completed.



Hugh Crabtree

Farmex Ltd

Hugh is a founder member of Farmex Ltd. The company has gone on to become the market leader in ventilation systems for pig production in the UK. Three times winner of the New Equipment Award at the British Pig & Poultry Fair Farmex is now at the forefront of real-time production monitoring both in the UK and the States. Hugh is a Fellow of the Institution of

Agricultural Engineers and a past Vice Chairman of the National Pig Association. He is a current member of the Allied Industries Group of the NPA.



Harry Heath

Whitley Manor

Harry studied Farm Business Management at Newcastle University. Since leaving university he has spent five years as Farm Manager at Whitley Manor Farm Near Newport in Shropshire which comprises a 550 sow breeder/finisher pig unit and 500 acres cereals (Wheat/Barley/OSR).



Tom Allen

DC & RJ Allen & Partners

Tom is part of a 3rd generation family farming business, farming with his cousins, uncle and father. He graduated from Newcastle University in 2002 where he studied Agriculture and returned to the family business shortly after. They farm 3,800 sows indoors and outdoors on several sites in Oxfordshire and Dorset. All progeny are taken through to bacon weight indoors using home mill and mix and liquid co-product feeding systems and they market approximately 1,900 pigs per week to various outlets through Thames Valley Cambac. They also farm approximately 2,500 hectares of combinable crops, providing wheat, barley and maize for the pig rations, grown using the readily available supply of fertiliser.



Duncan Berkshire

Bishopton Vets

Duncan joined the pig department at Bishopton Vets in 2009 having previously worked extensively with pigs in Yorkshire since graduation. He qualified from Cambridge Vet School in 2004 and obtained his Masters in Livestock Health and Production with the Royal Veterinary College while in practice. Duncan also holds the RCVS Certificate in Pig Medicine. Improving herd health and reproductive physiology are particular areas of interest, along with farm based investigations to introduce preventative medicine programmes on unit. He is currently on the Executive Committee of PVS.



Prof. Daniel Berckmans

KU Leuven, Belgium

Daniel Berckmans has a Masters Degree in Bio-engineering and a PhD in Agricultural Sciences. He has been a full Professor at the K.U. Leuven since 1998 and Head of the Division M3-Biores (Measure, Model & Manage Bio-responses). The main field of his research consists of real time signal analysis of individual humans, animals and plants including bio-environmental monitoring and management. The focus of the research team lies on the development of model based algorithms to monitor and control Complex, Individual and Time varying Dynamic (CITD) living organisms.

10:15 **Welcome and introduction to Session 1 – Future of pig feeding** • Andrew Knowles (BPEX)

Future pig feeding solutions • Mick Hazzledine (Premier Nutrition)

Feed blending • Richard Hooper (Harper Adams University)

Gestal wireless lactating sow feeder • Phil Stephenson (TA & PJ Stephenson Ltd)

Outdoor ESF • LKL Farming

Precision feeding • Dr Candido Pomar (Department of Agriculture and Agri-food Canada)

11:50 Break

What might we be feeding pigs in 2020? • Mick Hazzledine (Premier Nutrition)

What answers might plant breeding provide to pig nutrition? • Chris Tapsell (KWS UK Ltd)

Q&A discussion chaired by Mick Hazzledine

13:10 Lunch

14:00 **Introduction to Session 2 – Performance data interpretation** • Andrew Knowles (BPEX)

Innovations in recording and management systems • Simon Guise (Rattlerow)

How I use data to drive my business • David Speller (Applied Poultry)

How data can be used in the pig sector (PIVIT) • Hugh Crabtree (Farmex Ltd)

15:15 Break

How we might use data to make better decisions • Harry Heath, Tom Allen and Duncan Berkshire

My vision of precision pig farming in 2020 • Prof. Daniel Berckmans (KU Leuven, Belgium)

Q&A discussion chaired by Simon Guise

17:00 **Closing comments and hot refreshments**

There are a number of exhibitors at the event today with representatives who would love to speak to you about their products and services. A brief outline of their company and services can be found below. Please take time to visit the exhibitors during the breaks and after the conference finishes this afternoon and to speak to the representatives here today.



ABN

At ABN we're proud to be the leading British manufacturer of pig feed, providing both products and complementary solutions to the pig industry. We provide excellence in terms of nutrition, feed formulation and livestock production advice, meeting the varying needs of pig producers. Our knowledge is supported by a history of research and development investment which continues to be essential to our offering for the future.



Farmex

Farmex has been in business since 1980 manufacturing, distributing and servicing controls for agriculture. The Dicam range is the most used control system in the UK pig sector as well as being exported to the USA. The company is at the forefront of precision livestock farming with its established software tools Barn Report and Guardian Action for real-time monitoring in pig production. These systems set to deliver feed conversion and growth rate in real time. In addition to this Farmex has developed low cost wireless connectivity for control, alarm and monitoring applications.



Jenisys (Contracts) Ltd

Jenisys are UK importers for Nedap Livestock Management's range of Electronic Sow Feeding, Farrowing Pen Feeding, Pig Performance Testing and Pig Sorting and Weighing Systems. As a market leader in Electronic Sow Feeding, Nedap have developed a system which combines robust feeding stations with reliable, easy to use electronics. The system also includes Sow Separation and Heat Detection. The Farrowing pen feeding system feeds the sow automatically according to an individual curve, reducing weight loss and labour requirements. Pig Performance Testing provides the farmer or researcher with a comprehensive feed consumption and weight gain record for individual pigs.



MSD Animal Health

MSD Animal Health offers animal health professionals, farmers, pet owners and governments the widest range of veterinary pharmaceuticals, vaccines and health management solutions and services. MSD Animal Health is dedicated to preserving and improving the health, wellbeing and performance of animals. www.msd-animal-health.co.uk



Newquip Ltd

Newquip are the sole distributor of the World's leading supplier of poultry and pig equipment, Big Dutchman. Newquip, like Big Dutchman, is the symbol for quality, reliability and good service.

Newquip are able to provide everything for the successful pig breeder. Penning, flooring, computer-controlled feeding systems, housing and farrowing are all part of our expert service which also includes piglet-saving devices to help reduce piglet mortality. We will work with the customer, to provide and advise a service tailored for each project, whether it's a new build or refurbishment, intensively controlled or barn.



Phillips Animal Health Ltd

We are specialist suppliers of animal health products and equipment to the livestock industry, and have been established for over forty years. We pride ourselves in carrying a very broad range of stock to offer a 'one stop store' for animal health and associated needs. Over the years we have developed a range of high quality pig equipment, high quality drinkers and fittings, robust and efficient range of feeders, a unique and robust water doser. We also supply infra-red lamps and fittings, and have a range of heat mats for the creep area.



Pig Focus Ltd

PIG FOCUS was launched in 2006 as an advanced whole herd monitoring system, based on weekly records, with a unique reporting style making use of colour and graphics to highlight parameters that are above or below target, and is regarded as of great benefit to our many users in the UK, Ireland and overseas. Following requests from a number of users for an alternative individual sow recording system, that can be linked to PIG FOCUS, we have researched the market and identified PORCITEC as being the best system available, visit www.agritecsoft.com for full details.



Pig World

Pig World is the market leading publication and website www.pig-world.co.uk for the UK pig industry. Published monthly, it is a wholly paid for magazine and the official journal of the NPA. Pig World is the voice of the British Pig Industry. Its publishers, Lewis Business Media, also produce a weekly online pricing and analysis newsletter for the pig industry, details of which can be found at www.weeklytribune.co.uk In May 2014, Pig World launched the National Pig Awards in association with the NPA, BPEX and BPA www.nationalpigawards.co.uk



Quality Equipment

Quality Equipment offers a range of equipment and building services for all types of new and refurbished piggeries. Types of equipment include numerous metal and plastic feeders, hoppers and troughs, tote bins and feed barrows, drinkers, plastic and cast iron slats, farrowing crates and Paneltim plastic panels. Our construction department offer a full range of building services including 'turnkey' packages for new housing for sows, weaners, growers and finishers as well as all planning and groundwork.