

2016 SPRING MEETING OF THE WPSA UK BRANCH

Oral communications, invited talks and posters presented at the WPSA UK Branch Meeting held at the University of Chester (6–7 April, 2016). These summaries have been edited for clarity and style by the WPSA UK Programme Committee but have not been fully peer-reviewed.

- J. M. Abdulla, S. P. Rose, A. M. Mackenzie and V. Pirgozliev.* The effect of heat treatment and tannase addition on feeding value of field beans for broilers. 1
- A. L. Wealleans, L. P. Barnard and Y. Dersjant-Li.* Increasing doses of *Buttiauxella* phytase improve performance and nutrient digestibility in young turkeys. 2
- C. Sanni, D. Scholey and E. Burton.* Nutritional programming as a tool for improving bone strength in broilers. 3
- M. M. Kasprzak, J. G. M. Houdijk, O. A. Olukosi, H. Appleyard, S. Kightley, P. Carre and J. Wiseman.* Rapeseed variety and processing influence the digestibility of crude protein and amino acids in rapeseed co-products fed to broiler chickens. 4
- M. Toscano.* Bone health in the modern laying hen. 6
- P. J. Kettlewell and M. A. Mitchell.* Protecting poultry during transport: balancing production, welfare and economics. 6
- H. McCormack, I. C. Dunn, D.-J. DeKoning, M. Schmutz and R. Preisinger.* Identification of genetic markers for the improvement of bone strength in poultry. 7
- M. M. Fathi, I. Al-Homidan and M. Motawei.* Evaluation of genetic diversity of Saudi native chicken populations using microsatellite markers. 8
- J. G. Morison, P. W. Wilson, I. C. Dunn and V. Sandilands.* Identifying and quantifying the recessive white (c) mutation in a Cream Legbar flock. 10
- A. Reid, P. W. Wilson, N. Whenham and I. C. Dunn.* A logical approach to understanding physiological mechanisms underpinning growth efficiency in broilers explained by a single selected genetic locus. 11
- J. E. Martin, M. Farish and M. A. Mitchell.* Effect of flock age on activity budgets of turkeys during commercial production. 12
- D. Scholey, N. Morgan, C. Sanni, H. Brinch-Pedersen, G. Dionisio, C. Madsen and E. Burton.* Use of a novel wheat cultivar with high phytase activity to support phosphorus digestibility in broilers. 14
- P. M. Hocking, T. Veldkamp, L. Vinco, P. Woodward and A. Harkness.* Removal of soya bean meal from wheat- and maize-based diets decreased litter moisture and foot pad dermatitis in turkeys. 15
- E. White, R. Bold, A. L. Wealleans, Y. Dersjant-Li and C. Kwakernaak.* Effect of a *Buttiauxella* phytase on nutrient digestibility and performance in laying hens fed a diet without supplemental inorganic phosphorus. 16
- J. A. Atkinson, D. R. George, O. A. E. Sparagano and R. D. Finn.* A preliminary assessment of the current state of resistance/susceptibility to the active compounds used in acaricides for Poultry Red Mite, *Dermanyssus gallinae*, in the United Kingdom. 17
- L. M. Dixon, V. Sandilands and R. B. D'Eath.* A preliminary investigation into resting behaviour in feed-restricted and *ad lib* fed female broiler breeders. 19

<i>B. Duggan, D. Clements and P. M. Hocking.</i> Gait in ducks and chickens - similarities in adaptation to high growth rate.	20
<i>P. M. Hocking, A. Harkness, T. Veldkanp and L. Vinco.</i> The welfare consequences of different foot pad scores in male turkey poults.	21
<i>H. V. Masey O'Neill and M. R. Bedford.</i> Extending the value of the literature; holo analysis of agricultural data.	22
<i>K. Mertens.</i> Data driven smart farm management with Farm Intelligence solutions.	23
<i>M. E. E. Ball and J. George.</i> The effect of lowering dietary crude protein (CP) content on broiler performance.	24
<i>L. Beeson, C. Walk, P. Hastie, M. R. Bedford and O. A. Olukosi.</i> Gene expression of nutrient transporters and markers of liver anti-oxidants, gut level immune response and cellular integrity in broilers fed diets containing regular or high doses of phytase.	25
<i>O. A. Olukosi, M. Kasprzak, S. Kightley, P. Carre, J. Wiseman and J. G. M. Houdijk.</i> Metabolisable energy and relative bioavailability of phosphorus in meals of two contrasting oilseed rape varieties subjected to different processing conditions.	26
<i>F. Shariatmadari, H. R. Ibrahim and H. Ahmadi.</i> Effect of dietary phytase and 1 α -hydroxycholecalciferol on growth performance, mineral retention and leg health of broiler chickens.	28
<i>M. M. Fathi, I. Al-Homidan and B. Al-Habob.</i> Influence of probiotic inclusion and stocking density on body weight and bacterial count profile of broiler chicks.	29
<i>J. M. Abdulla, S. P. Rose and V. Pirgozliev.</i> Effect of storage temperature of UK grown field bean samples on their nutritive value for broilers.	30
<i>S. MacKintosh, M. R. F. Lee, V. Theobald, D. Leemans, A. Burgess and N. D. Scollan.</i> A titration of yellow lupin (<i>Lupinus luteus</i>) inclusion in the diet of laying chickens (<i>Gallus gallus domesticus</i>).	31
<i>L. R. Hood, I. M. Whiting, S. P. Rose, A. M. Mackenzie, A. M. Amerah and V. Pirgozliev.</i> The effect of wheat DDGS and xylanase on the quality of stored eggs over a 4-wk period.	33
<i>O. A. Olukosi, A. D. Craig and M. R. Bedford.</i> Total tract nutrient utilisation, metabolisable energy and whole-body energetics in broilers receiving xylanase supplementation in wheat-based diets formulated using an assumed nutrient value for wheat.	34
<i>M. E. E. Ball, J. Sloss and A. Catlett.</i> The effect of wheat moisture content at harvest on broiler performance.	35