

ANIMAL PRODUCTION SCIENCE

CONTENTS Volume 52, Issue 10, 2012, 881–973

Long-term effect of nutrition on the metabolic status and reproductive potential of Merino rams under grazing conditions

C. Viñoles, I. De Barbieri, J. Gil, J. Olivera, S. Fierro, F. Bialade and F. Montossi 881–889

The structure of a cattle stud determined using a medium density single nucleotide polymorphism array

Blair E. Harrison, Rowan J. Bunch, Russell McCulloch, Paul Williams, Warren Sim, Nick J. Corbet and William Barendse 890–898

The influence of particle size and processing method for wheat-based diets, offered in dry or liquid form, on growth performance and diet digestibility in male weaner pigs

Katie l'Anson, Mingan Choct and Peter H. Brooks 899–904

A mutation in the chicken lipoprotein lipase gene is associated with adipose traits

Wenpeng Han, Xiaolei Ze, Dan Xiong, Jingyi Li, Junying Li and Chunjiang Zhao 905–910

A comparison of slaughter performance and meat quality of pigs immunised with a gonadotrophin-releasing factor vaccine against boar taint with physically castrated pigs

Y. L. Yuan, J. L. Li, W. H. Zhang, C. Li, F. Gao and G. H. Zhou 911–916

Accuracy of body measurements using digital image analysis in female Holstein calves

Serkan Ozkaya 917–920

Evaluating seasonal risk and the potential for windspeed reductions to reduce chill index at six locations using GrassGro

J. C. Broster, S. M. Robertson, R. L. Dehaan, B. J. King and M. A. Friend 921–928

Farm-scale nitrogen, phosphorus, potassium and sulfur balances and use efficiencies on Australian dairy farms

Cameron J. P. Gourley, Warwick J. Dougherty, David M. Weaver, Sharon R. Aarons, Ivor M. Awty, Donna M. Gibson, Murray C. Hannah, Andrew P. Smith and Ken I. Peverill 929–944

Production traits and hatching of a Barred Rock 1 pure line, its feather sexable strains and their crosses

Ismail Durmus, Huseyin Goger, Sahnur Demirtas and Sermin Yurtogullari 945–948

Effect of intercropping forage peas (*Pisum sativum* L.) with winter wheat (*Triticum vulgare* L.) or triticale (*Triticale hexaploide* Lart.) on DM yield, nutritive characteristics when harvested at different stages of growth

J. L. Jacobs and G. N. Ward 949–958

Undegradable dietary protein in alpaca diets affects fibre diameter and time spent urinating

K. E. Lund, J. T. B. Milton, S. K. Maloney, K. M. M. Glover, J. L. Vaughan and D. Blache 959–963

Effect of age on semen quality in naked neck and dwarf chicken under tropical climatic conditions

M. Shanmugam, U. Rajkumar, M. R. Reddy and S. V. Rama Rao 964–968

Increasing platform speed and the percentage of cows completing a second rotation improves throughput in rotary dairies

J. P. Edwards, N. Lopez-Villalobos and J. G. Jago 969–973