

ANIMAL PRODUCTION SCIENCE

CONTENTS Volume 51, Issue 8, 2011, 667–762

RESEARCH PAPERS

On-farm greenhouse gas emissions and water use: case studies in the Queensland beef industry
Sandra Eady, James Viner and Justin MacDonnell 667–681

Evaluation of basic and alternative breeding programs for Sahiwal cattle genetic resources in Kenya
E. D. Ilatsia, R. Roessler, A. K. Kahi, H.-P. Piepho and A. Valle Zárate 682–694

Immunisation against gonadotrophin-releasing hormone (GnRH) increases growth and reduces variability in group-housed boars

F. R. Dunshea, G. M. Cronin, J. L. Barnett, P. H. Hemsworth, D. P. Hennessy, R. G. Campbell, B. Luxford, R. J. Smits, A. J. Tilbrook, R. H. King and I. McCauley 695–701

A dietary sodium gluconate supplement improves growth performance and prebiotic activity in the small intestine of nursery pigs grown under tropical conditions
T. Poeikhampha and C. Bunchasak 702–707

Effect of low and high oil corn distillers' grain on rumen fermentation, growth performance and carcass characteristics of lambs

A. S. O'Hara, A. Tanner, T. A. McAllister, D. J. Gibb, F. van Herk and A. V. Chaves 708–716

Mixed herb and legume pasture improves the growth of lambs post-weaning

K. P. Golding, E. D. Wilson, P. D. Kemp, S. J. Pain, P. R. Kenyon, S. T. Morris and P. G. Hutton 717–723

GPS observation of shelter utilisation by Merino ewes

D. B. Taylor, D. A. Schneider, W. Y. Brown, I. R. Price, M. G. Trotter, D. W. Lamb and G. N. Hinch 724–737

Weather and pasture characteristics associated with outbreaks of perennial ryegrass toxicosis in southern Australia
K. F. M. Reed, Z. N. Nie, L. V. Walker, W. J. Mace and S. G. Clark 738–752

Population dynamics and production effects of sheep lice (*Bovicola ovis* Schrank) in extensively grazed flocks
P. J. James, B. J. Horton, N. J. Campbell, D. L. Evans, J. Winkleman and R. McPhie 753–762