ANIMAL PRODUCTION SCIENCE

CONTENTS Volume 51, Issue 11, 2011, 975–1043

RESEARCH PAPERS

The challenge and limitations of combining data: a case study examining the relationship between intramuscular fat content and flavour intensity based on the BIF-BEEF database *J. F. Hocquette, P. Meurice, J. P. Brun, C. Jurie, C. Denoyelle, D. Bauchart, G. Renand, G. R. Nute and B. Picard* 975–981

Pasture systems to improve productivity of sheep in southwestern Victoria 2. Animal production from ewes and lambs Geoffrey Saul, Gavin Kearney and Dion Borg 982–989

Is polyethylene glycol innocuous to the rumen bacterial community? A preliminary *in vitro* study *A. Belenguer, G. Hervás, P. G. Toral, M. Fondevila and P. Frutos* 990–995

Degradation of diflubenzuron, ivermectin, cyromazine and temephos in soil following surface disposal of sheep dipping and jetting solutions *G. W. Levot* 996–1001

Minimising weight loss in new broiler hatchlings through early feeding of simple sugars *M. M. Bhuiyan, F. Gao, S. H. Chee and P. A. Iji* 1002–1007

Associations of allergenic soybean proteins with piglet skin allergic reaction and application of polyclonal antibodies *Chen Chi Chen, Tzu Tai Lee, Chin Bin Hsu, Chien Wei Huang and Bi Yu* 1008–1014

Using fistulated sheep to compare *in sacco* and *in vitro* rumen degradation of selected feeds *Abdul Shakoor Chaudhry and Ruba A. I. Mohamed* 1015–1024

Effects of an organic acid mixture and methionine supplements on intestinal morphology, protein and nucleic acids content, microbial population and performance of broiler chickens *A. A. Saki, S. M. Eftekhari, P. Zamani, H. Aliarabi and M. Abbasinezhad* 1025–1033

Medullated fibres and fleece characteristics in Corriedale hoggets from two flocks in Uruguay *I. Sienra, K. Neimaur, R. Kremer and J. I. Urioste* 1034–1038

Melanocortin 1 receptor (*MC1R*) gene polymorphisms in three Italian cattle breeds Anna Maria Guastella, Silvia Sorbolini, Antonio Zuccaro, Elia Pintus, Salvatore Bordonaro, Donata Marletta and Nicolò Pietro Paolo Macciotta 1039–1043