

ANIMAL PRODUCTION SCIENCE

CONTENTS Volume 50, Issue 4, 2010, 235–328

A genome-wide association study of tick burden and milk composition in cattle

*Lex B. Turner, Blair E. Harrison, Rowan J. Bunch, Laercio R. Porto Neto, Yutao Li
and William Barendse* 235–245

Development of profitable milk production systems for northern Australia: a field assessment of the productivity of five potential farming systems using farmlets

R. G. Chataway, R. G. Walker and M. N. Callow 246–264

Genetic and environmental factors influencing milk, protein and fat yields of pasture-based dairy cows in Tasmania

S. A. Adediran, P. Nish, D. J. Donaghy, D. A. Ratkowsky and A. E. O. Malau-Aduli 265–275

Impacts of grazing management options on pasture and animal productivity in a *Heteropogon contortus* (black speargrass) pasture in central Queensland. 3. Diet composition in autumn

R. E. Hendrickson, D. J. Myles, D. J. Reid and D. M. Orr 276–283

Impacts of grazing management options on pasture and animal productivity in a *Heteropogon contortus* (black speargrass) pasture in central Queensland. 4. Animal production

*W. H. Burrows, D. M. Orr, R. E. Hendrickson, M. T. Rutherford, D. J. Myles, P. V. Back
and R. Gowen* 284–292

Chromium poisoning in rats feeding on tannery residues

*Rodrigo Carvalho Silva, João Chrysostomo de Resende Júnior, Mary Suzan Varaschin,
Raimundo Vicente de Sousa, Luiz Carlos Alves Oliveira, João Luiz Pratti Daniel,
Ronaldo Francisco de Lima and Anselmo Oliveira Moreira* 293–299

Sunlight exposure caused yellowing and increased mineral content in wool

M. R. Fleet, K. R. Millington and A. L. King 300–308

Pre-partum shearing of ewes under pastoral conditions improves the early vigour of both single and twin lambs

G. Banchero, A. Vázquez, F. Montossi, I. de Barbieri and G. Quintans 309–314

Effects of early weaning on growth, feed efficiency and carcass traits in Shorthorn cattle

M. L. Wolcott, H.-U. Graser and D. J. Johnston 315–321

Temporal growth and development of body tissues of pigs as assessed by X-ray computed tomography

I. M. Barchia, P. F. Arthur, L. R. Giles and G. J. Eamens 322–328