

# ANIMAL PRODUCTION SCIENCE

## CONTENTS Volume 49, Issue 11, 2009, 975–1052

Alkaloids in Australian rye ergot (*Claviceps purpurea*) sclerotia: implications for food and stockfeed regulations  
Barry J. Blaney, John B. Molloy and Ian J. Brock 975–982

Seasonal changes in pasture quality and diet selection and their relationship with liveweight gain of steers grazing tropical grass and grass–legume pastures in northern Australia  
J. O. Hill, D. B. Coates, A. M. Whitbread, R. L. Clem, M. J. Robertson and B. C. Pengelly 983–993

Physiological mechanism of low purine derivative excretion in urine of buffaloes compared with *Bos taurus* cattle  
Vo Thi Kim Thanh, E. R. Orskov and P. Susmel 994–997

Cattle performed as well as sheep when grazing a river saltbush (*Atriplex amnicola*)-based pasture  
C. R. Fancote, H. C. Norman, I. H. Williams and D. G. Masters 998–1006

Lessons learnt about effectively applying participatory action research: a case study from the New South Wales dairy industry  
M. A. Friend, A. M. Dunn and J. Jennings 1007–1014

Effects of climate scenarios on simulated intake of sheep grazing native pastures in northern New South Wales, Australia  
G. M. Lodge, I. R. Johnson and B. R. Cullen 1015–1022

Level of cottonseed meal but not frequency of feeding regulates whole-body protein synthesis and growth of sheep fed a roughage diet  
L. P. Kahn, Somu B. N. Rao and J. V. Nolan 1023–1028

Effects of increasing the inclusion level of *Atriplex amnicola* in the diet of sheep  
M. B. P. Kumara Mahipala, G. L. Krebs, P. McCafferty and K. Dods 1029–1034

A new method for calculating the volume of primary tissue types in live sheep using computed tomography scanning  
C. L. Alston, K. L. Mengersen and G. E. Gardner 1035–1042

Hydrogen utilising bacteria from the forestomach of eastern grey (*Macropus giganteus*) and red (*Macropus rufus*) kangaroos  
D. Ouwerkerk, A. J. Maguire, L. McMillen and A. V. Klieve 1043–1051

*Erratum to:* Performance of steer progeny of sires differing in genetic potential for fatness and meat yield following postweaning growth at different rates. 2. Carcass traits  
W. A. McKiernan, J. F. Wilkins, J. Irwin, B. Orchard and S. A. Barwick 1052