ANIMAL PRODUCTION SCIENCE

REVIEW
Livestock in no-till cropping systems – a story of trade-offs
James Fisher, Peter Tozer and Doug Abrecht  197–214

RESEARCH PAPERS
Estimates of variances due to parent of origin effects for weights of Australian beef cattle
Karin Meyer and Bruce Tier  215–224

Methane yields from Brahman cattle fed tropical grasses and legumes
P. M. Kennedy and E. Charmley  225–239

Effect of mulberry silage supplementation during late fattening stage of Hanwoo
(Bos taurus coreanae) steer on antioxidative enzyme activity within the longissimus muscle

Lamb growth performance and carcass weight from rotationally grazed perennial pasture
systems compared with annual pasture systems with supplements
V. F. Burnett, G. R. Seymour, S. Norng, J. L. Jacobs and E. N. Ponnampalam  248–254

Vitamin E and fatty acid content of lamb meat from perennial pasture or annual pasture
systems with supplements
E. N. Ponnampalam, V. F. Burnett, S. Norng, R. D. Warner and J. L. Jacobs  255–262

Effect of replacing barley with corn or sorghum grain on rumen fermentation characteristics
and performance of Iranian Baluchi lamb fed high concentrate rations
M. Yahaghi, J. B. Liang, J. Balcells, R. Valizadeh, A. R. Alimon and Y. W. Ho  263–268

Effects of pre-incubation upside-down positioning of eggs from breeder flocks with different
ages on hatchability and chick quality
A. Salahi, M. Moosanezhad Khabisi and A. K. Esmailizadeh  269–275

Nutritional strategies affect carcass and pork quality but have no effect on intramuscular
fat content of pork

Incidence of subclinical toxicity in goats and dairy cows consuming leucaena
(Leucaena leucocephala) in Thailand
C. Phaikaew, W. Suksaran, J. Ted-arsen, G. Nakamanee, A. Saichuer, S. Seejundee,
N. Kotprom and H. M. Shelton  283–286