

Illustrations. The same material should not normally be presented in tables and figures. Legends should be typed on a separate sheet.

a) Diagrams should be drawn in black ink, about twice the size of the finished block, on white paper or card, stout tracing paper or plastic film. Photographed diagrams are also accepted. Lettering inside the framework of the diagram should be avoided as far as possible but if unavoidable it should be included on a fly-leaf.

b) Photographs intended for half-tone reproduction should be on glossy paper. They will be accepted only if found necessary by the editors.

c) Colour plates are unlikely to be accepted unless the authors bear the cost.

Tables should be as simple and as few as possible. Each table should be typed on a separate sheet.

Abstract. Every paper should have a short abstract (not more than 250 words for a paper and 120 words for a note) complete in itself and understandable without reference to the paper. The abstract will be printed at the beginning of the paper and preferably should be in the format of unnumbered short paragraphs.

Keywords. Up to a maximum of five keywords selected from the *CAB Thesaurus* (1988) or from an equivalent reference volume should be listed at the end of the Abstract.

References. Only papers closely related to the author's work should be referred to; exhaustive lists should be avoided. The arrangement of references should be as in recent papers in *Animal Production*; details are given in the notes for guidance.

Proofs are supplied once and must be returned corrected to the editors within 3 days. Only essential corrections should be made.

Reprints. Twenty-five reprints of each paper will be supplied free of charge to authors on request. Further copies may be purchased if the order is sent at the proof-stage. Reprints are not supplied for notes.

Annual subscription is £110.00 (or \$220.00 in the USA and Canada) and the price for a single part is £20.00 (or \$40.00) net.

Abstracts of papers presented at British Society of Animal Production winter meeting are published as a separate section in the June issue of *Animal Production*.

Correspondence regarding subscriptions and sales (current and back numbers of the Journal) and any other enquiries, including those concerning copyright, should be addressed to: Durrant Periodicals, Winton Lea, Pencaitland, East Lothian, Scotland EH34 5AY.

Senior editor

T. L. J. Lawrence, University of Liverpool

Editors

J. A. M. van Arendonk, University of Wageningen

D. G. Chamberlain, Hannah Institute, Ayr

W. Haresign, University of Nottingham

C. L. Johnson, University of Leeds

I. J. Lean, Wye College, University of London

C. A. Morgan, Scottish Agricultural College, Edinburgh

E. Owen, University of Reading

R. Thompson, AFRC Institute of Animal Physiology and Genetics Research, Edinburgh

A. J. F. Webster, University of Bristol

J. D. Wood, University of Bristol

Technical editors

Hilary Davies

Marie C. Pitkethly

Notes to users in the USA. The appearance of the fee codes in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use on the following conditions. The copier must pay the stated per-copy fee through the Copyright Clearance Center, Inc., 21 Congress Street, Salem, Massachusetts 01970, USA, for copying beyond that permitted by sections 107 and 108 of the US Copyright Law. For territories outside north America, permission should be sought direct from the copyright holder. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertizing and promotional purposes, for creating new collective works or for resale.

Contents

Page

Zerbini, E., Gameda, T., O'Neill, D. H., Howell, P. J. and Schroter, R. C. Relationships between cardio-respiratory parameters and draught work output in F ₁ crossbred dairy cows under field conditions	1
Pander, B. L., Hill, W. G. and Thompson, R. Genetic parameters of test day records of British Holstein-Friesian heifers	11
Hohenboken, W. D., Dudley, A. and Moody, D. E. A comparison among equations to characterize lactation curves in beef cows	23
Kamatalli, P., Teller, E., Vanbelle, M., Collignon, G. and Foulon, M. <i>In situ</i> degradability of organic matter, crude protein and cell wall of various tree forages	29
Mutsvangwa, T., Edwards, I. E., Topps, J. H. and Paterson, G. F. M. The effect of dietary inclusion of yeast culture (Yea-Sacc) on patterns of rumen fermentation, food intake and growth of intensively fed bulls	35
Wright, I. A., Rhind, S. M., White, T. K. and Smith, A. J. Effects of body condition at calving and feeding level after calving on LH profiles and the duration of the post-partum anoestrous period in beef cows	41
Gibb, M. J. and Baker, R. D. The use of fish meal and monensin as supplements to grass silage and their effect on body composition changes in steers from 5 months of age to slaughter	47
Salah, M. S., El-Nouty, F. D. and Al-Hajri, M. R. Effect of water sprinkling during the hot-dry summer season on semen quality of Holstein bulls in Saudi Arabia	59
Mezzadra, C., Escuder, J. and Miquel, M. C. Effects of genotype and stocking density on post-weaning daily gain and meat production per hectare in cattle	65
Sun, Y. X., Michel, A., Wickham, G. A. and McCutcheon, S. N. Wool follicle development, wool growth and body growth in lambs treated from birth with recombinantly derived bovine somatotropin	73
Vipond, J. E., FitzSimons, J., Robb, J. and Horgan, G. Effect of fish-meal supplementation and shearing in store/finishing systems for lambs	79
Wiener, G., Lee, G. J. and Woolliams, J. A. Effects of rapid inbreeding and of crossing of inbred lines on the body weight growth of sheep	89
Wiener, G., Lee, G. J. and Woolliams, J. A. Effects of rapid inbreeding and of crossing of inbred lines on the growth of linear body dimensions of sheep	101
Wiener, G., Lee, G. J. and Woolliams, J. A. Effects of rapid inbreeding and of crossing of inbred lines on conception rate, prolificacy and ewe survival in sheep	115
Marai, I. F. M., Gebriel, G. M. and Abou-Fandoud, E. I. Relationships between blood groups and some wool characteristics in Egyptian coarse-wool fat-tailed sheep	123
Perry, D., Thompson, J. M. and Butterfield, R. M. Bone distribution patterns in sheep selected for high and low weaning weight	129
Chestnutt, D. M. B. Supplementation of silage-based diets for finishing lambs	137
Appleby, M. C., Pajor, E. A. and Fraser, D. Individual variation in feeding and growth of piglets: effects of increased access to creep food	147
Parigi-Bini, R., Xiccato, G., Cinetto, M. and Dalle Zotte, A. Energy and protein utilization and partition in rabbit does concurrently pregnant and lactating	153