

Continued from back cover

BOLAND, M. P., CROSBY, T. F. and GORDON, I. Induction of lambing: comparison of the effects of prostaglandin, oestradiol benzoate and dexamethasone	391
TUDOR, G. D. and MINSON, D. J. The utilization of the dietary energy of pangola and setaria by young growing beef cattle	395
BLAXTER, K. L., FOWLER, V. R. and GILL, J. C. A study of the growth of sheep to maturity	405
SHARMA, A. K., GANGWAR, P. C., SRIVASTAVA, R. K. and DHINGRA, D. P. Artificial cooling of buffaloes (<i>Bubalus bubalis</i>) in a hot environment, and plasma oxytocin concentration	421
BECKETT, J. L. Variety × environment interactions in sugar beet variety trials	425
TOWNER, G. D. Towards more efficient soil–water modelling: moisture profiles for constant application or removal of water at the surface	437
AUSTIN, R. B. Crop characteristics and the potential yield of wheat	447
SCOTT, S. W. The effects of white clover mosaic virus infection on the yield of red clover (<i>Trifolium pratense</i> L.) in mixtures and in pure stands	455
TANEJA, V. K., BASU, S. B. and BHATNAGAR, D. S. Genetic and phenotypic parameters of some measures of lifetime production and their relationship with milk yield in the first three lactations in Tharparkar cows	461
SHORT NOTES	
PALMER, B. and JESSOP, R. S. The relative value of water-soluble and ammonium-citrate-soluble phosphorus for wheat production	467
HAYCOCK, R. and OLLERENSHAW, J. H. Winter survival and spring growth of white clover cultivars at an upland site in northern England	471

THE JOURNAL OF AGRICULTURAL SCIENCE

CONTENTS

Vol. 98 Part 2 April 1982

	PAGE
SEARLE, T. W., GRAHAM, N. MCC. and DONNELLY, J. B. The effect of plane of nutrition on the body composition of two breeds of weaner sheep fed a high protein diet	241
COOP, R. L., SYKES, A. R. and ANGUS, K. W. The effect of three levels of intake of <i>Ostertagia circumcincta</i> larvae on growth rate, food intake and body composition of growing lambs	247
WHINGWIRI, E. E. and STERN, W. R. Floret survival in wheat: significance of the time of floret initiation relative to terminal spikelet formation	257
IGWILO, N. Nodulation and nitrogen accumulation in field beans (<i>Vicia faba</i> L.)	269
ADENEYE, J. A. Comparative weights of dairy calves at 4, 8, 12 and 16 weeks of age at Moor Plantation, Ibadan, Nigeria	289
STONE, D. A. The effects of subsoil loosening and deep incorporation of nutrients on yield of broad beans, cabbage, leek, potatoes and red beet	297
COWARD, B. JANE and BUTTERY, P. J. Metabolism of perfused ruminant muscle	307
ABDALLAH, O. Y., SHAHIN, KARIMA A. and LATIF, M. G. A. Growth and development of water buffalo and Friesian cross-bred cattle, with special reference to growth and distribution of carcass muscle and bone	317
LEA, J. W., GIBBS, D. A. and LAWRENCE, N. G. Morphological changes in a brown earth soil in response to applications of pig slurry	325
SURULIVELU, T. and MENON, M. VIJAYARAGHAVA. Contact toxicity of synthetic pyrethroids, organophosphorus and carbamate insecticides to adults of the parasite <i>Chelonus blackburni</i> Cameron	331
ADAMS, T. MCM. The effects of agronomy on C and N distribution in soil organo-mineral fractions	335
UMUNNA, N. N. Utilization of poor quality roughages: response of sheep fed native hay supplemented with urea by different methods	343
DANIELS, R. W., ALCOCK, M. B. and SCARISBRICK, D. H. A reappraisal of stem reserve contribution to grain yield in spring barley (<i>Hordeum vulgare</i> L.)	347
KAISER, A. G., OSBOURN, D. F. and ENGLAND, P. Intake and digestion of formaldehyde-treated red clover silages offered to calves either alone or with a urea supplement	357
MATTHEWS, D. J. and HAYES, P. Effect of root zone temperature on early growth, nodulation and nitrogen fixation in soya beans	371
SOLIMAN, H. S., ØRSKOV, E. R., DAVIES, N. T. and McDONALD, I. Utilization of proteins from milk and raw or acid-treated <i>Toprina</i> yeast by newly born ruminant lambs and growing rats	377

Continued on inside back cover

© Cambridge University Press 1982

SUBSCRIPTIONS. Two volumes of three parts are published annually. All orders must be accompanied by payment. The subscription price of volumes 98 and 99, 1982, is £44.00 net (U.S.A. and Canada US \$121.00) per volume (post free); single parts are available at £17.00 net (U.S.A. and Canada US \$47.50) plus postage. Orders or enquiries may be sent to any bookseller or subscription agent, or Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU (U.S.A. and Canada, Cambridge University Press, 32 East 57th Street, New York, N.Y. 10022, U.S.A.). Second class postage paid at New York, N.Y., and at additional mailing offices.

Printed in Great Britain at the University Press, Cambridge