



Cambridge Core

The new home of
Cambridge Journals

cambridge.org/core

Cambridge Core

<https://doi.org/10.1017/S0021859617000764> Published online by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CROP RESEARCH PAPERS

- **The relationship among freezing tolerance, vernalization requirement, *Ppd* alleles and winter hardiness in European wheat cultivars**
A. GORASH, R. ARMONIENÉ, Ž. LIATUKAS AND G. BRAZAUSKAS 1353
- **Validation of analytical method and evaluation of clothianidin residues in rice in a typical Chinese field ecosystem**
Z. Y. ZHANG, Z. T. ZHENG, G. Y. ZHU, X. Y. YU, D. L. WANG AND X. J. LIU 1371
- **Nitrogen and white clover impacts on the management of perennial ryegrass-clover swards for grazing cattle**
J. McDONAGH, T. J. GILLILAND, M. McEVoy, L. DELABY AND M. O'DONOVAN 1381
- **Effects of precision planting patterns and irrigation on winter wheat yields and water productivity**
X. M. MAO, W. W. ZHONG, X. Y. WANG AND X. B. ZHOU 1394
- **Nitrogen use efficiency in spring wheat: genotypic variation and grain yield response under sandy soil conditions**
E. MANSOUR, A. M. A. MERWAD, M. A. T. YASIN, M. I. E. ABDUL-HAMID, E. E. A. EL-SOBKY AND H. F. ORABY 1407
- **Genome-wide association study for resistance to cassava root rot**
A. C. BRITO, S. A. S. OLIVEIRA AND E. J. OLIVEIRA 1424

MODELLING ANIMAL SYSTEMS PAPERS

- **The AusBeef model for beef production: I. Description and evaluation**
H. C. DOUGHERTY, E. KEBREAB, M. EVERED, B. A. LITTLE, A. B. INGHAM, R. S. HEGARTY, D. PACHECO AND M. J. MCPHEE 1442
- **The AusBeef model for beef production: II. sensitivity analysis**
H. C. DOUGHERTY, E. KEBREAB, M. EVERED, B. A. LITTLE, A. B. INGHAM, J. V. NOLAN, R. S. HEGARTY, D. PACHECO AND M. J. MCPHEE 1459

CORRIGENDUM

- **Impact of dynamics of faecal concentrations of plant and synthetic *n*-alkanes on their suitability for the estimation of dry matter intake and apparent digestibility in horses – CORRIGENDUM**
M. BACHMANN, M. WENSCH-DORENDORF, M. BULANG AND A. ZEYNER 1475

ANIMAL RESEARCH PAPERS

- **Effects of different dietary protein levels and rumen-protected folic acid on ruminal fermentation, degradability, bacterial populations and urinary excretion of purine derivatives in beef steers**
C. WANG, Q. LIU, G. GUO, W. J. HUO, Y. LIANG, C. X. PEI, S. L. ZHANG, W. Z. YANG AND H. WANG 1477
- **Chronic heat stress and feed restriction affects carcass composition and the expression of genes involved in the control of fat deposition in broiler**
J. DE ANTONIO, M. F. FERNANDEZ-ALARCON, R. LUNEDO, G. H. SQUASSONI, A. L. J. FERRAZ, M. MACARI, R. L. FURLAN AND L. R. FURLAN 1487

Submit your paper online

mc.manuscriptcentral.com/jagricsci

Register to receive the latest news and content from the journal

<https://www.cambridge.org/core/journals/journal-of-agricultural-science>

Cambridge Core

For further information about this journal
please go to the journal web site at:

cambridge.org/ags



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS