

Cambridge Core

The new home of
Cambridge Journals

cambridge.org/core

Cambridge Core

<https://doi.org/10.1017/S002185961900025X> Published online by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CLIMATE CHANGE AND AGRICULTURE RESEARCH PAPERS

- Climate-change related long-term historical and projected changes to spring barley phenological development in Lithuania
G. SUJETOVIENĖ, R. VELICKA, A. KANAPIKAS, Z. KRIAUCIŪNIENĖ, D. ROMANOVSKAJA, E. BAKŠIENĖ,
I. VAGUSEVIČIENĖ, M. KLEPECKAS AND R. JUKNYS 1061
- Effects of dairy shed effluent dry matter content on ammonia and nitrous oxide emissions from a pasture soil
T. J. CLOUGH, N. BALAINE, K. C. CAMERON, S. O. PETERSEN AND S. G. SOMMER 1070
- Relationships between Cabernet Sauvignon phenology and climate in two Spanish viticultural regions:
observations and predicted future changes
M.C. RAMOS AND G.V. JONES 1079

CROPS AND SOILS RESEARCH PAPERS

- Optimal location of set-aside areas to reduce nitrogen pollution: a modelling study
L. CASAL, P. DURAND, N. AKKAL-CORFINI, C. BENHAMOU, F. LAURENT, J. SALMON-MONVIOLA AND F. VERTÈS 1090
- Non-destructive detection and classification of in-shell insect-infested almonds based on multispectral imaging technology
J. YU, S. REN, C. LIU, B. WEI, L. ZHANG, S. YOUNAS AND L. ZHENG 1103

ANIMAL RESEARCH PAPERS

- Influence of management type and stage of lactation on the performance and milk fatty acid profile of dairy camels (*Camelus dromedaries*)
MOEZ AYADI, MOHAMED HAMMADI, RAMON CASALS, MOUFIDA ATIGUI, TOUHAMI KHORCHANI, EMAD M. SAMARA,
KHALID A. ABDOUN, AHMED A. AL-HAIDARY AND GERARDO CAJA 1111
- Effects of xylanase on the fermentation profile and chemical composition of sugarcane silage
T. A. DEL VALLE, G. ANTONIO, T. F. ZENATTI, M. CAMPANA, E. M. C. ZILIO, L. G. GHIZZI, J. R. GANDRA,
J. A. C. OSÓRIO AND J. P. G. DE MORAIS 1123
- Effects of dietary supplementation of guanidino acetic acid on growth performance, thigh meat quality and development of small intestine in Partridge-Shank broilers
Q. C. REN, J. J. XUAN, X. C. YAN, Z. Z. HU AND F. WANG 1130
- Effect of chitosan on production performance of feedlot lambs
F. M. PEREIRA, G. G. P. CARVALHO, T. S. MAGALHÃES, J. E. FREITAS JÚNIOR, L. F. B. PINTO, G. B. MOURÃO,
A. J. V. PIRES, C. E. EIRAS, D. NOVAIS-EIRAS, J. A. G. AZEVÉDO AND A. EUSTÁQUIO FILHO 1138
- Effects of palm kernel cake (*Elaeis guineensis*) on intake, digestibility, performance, ingestive behaviour and carcass traits in Nellore bulls
CLAUDIA H. CRUZ, THADEU M. SILVA, NIVALDO B. SANTANA FILHO, ANDRÉ G. LEÃO, OSSIVAL L. RIBEIRO,
GLEIDSON G. P. CARVALHO, LEILSON R. BEZERRA AND RONALDO L. OLIVEIRA 1145
- Modelling of growth alteration in Japanese quail after a selection experiment for body weight at 4 weeks of age
G. ABOU KHADIGA, B. Y. F. MAHMOUD AND E. A. EL-FULL 1153

BOOK REVIEW

- Good Enough to Eat? Next Generation GM Crops
JOSE I. CUBERO 1160

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](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