

Cambridge Core

The new home of
Cambridge Journals

cambridge.org/core

Cambridge Core

<https://doi.org/10.1017/S0021859620000349> Published online by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CROPS AND SOILS RESEARCH PAPER

- Mapping QTLs for protein and oil content in soybean by removing the influence of related traits in a four-way recombinant inbred line population
X. LI, H. XUE, K. ZHANG, W. LI, Y. FANG, Z. QI, Y. WANG, X. TIAN, J. SONG, W. LI AND H. NING 659
- Current status in resistance to ACCase and ALS-inhibiting herbicides in rigid ryegrass populations from cereal crops in North of Tunisia
M. KHAMMASSI, H. HAJRI, Y. MENCHARI, H. CHAABANE AND T. SOUSSI 676
- Isolation and identification of lactic acid bacteria in fresh plants and in silage from *Opuntia* and their effects on the fermentation and aerobic stability of silage
G. A. PEREIRA, E. M. SANTOS, G. G. L. ARAÚJO, J. S. OLIVEIRA, R. M. A. PINHO, A. DE M. ZANINE, A. F. N. SOUZA, A. J. S. MACEDO, J. M. C. NETO AND T. V. C. NASCIMENTO 684
- An integrative influence of saline water irrigation and fertilization on the structure of soil bacterial communities
L. J. CHEN, C. S. LI, Q. FENG, Y. P. WEI, Y. ZHAO, M. ZHU AND R. C. DEO 693

MODELLING ANIMAL SYSTEMS RESEARCH PAPER

- The isotopic nitrogen turnover rate as a proxy to evaluate in the long-term the protein turnover in growing ruminants
G. CANTALAPIEDRA-HIJAR, H. FOUILLET, C. CHANTELAUZE, N. KHODOROVA, L. BAHLOUL AND I. ORTIGUES-MARTY 701
- Prediction of *in vivo* organic matter digestibility of beef cattle diets from degradation parameters estimated from *in situ* and *in vitro* incubations
P. D. B. BENEDETI, S. D. C. V. FILHO, D. ZANETTI, F. F. E SILVA, B. DE CASTRO SILVA, H. M. ALHADAS, J. M. V. PEREIRA, M. V. C. PACHECO, P. PUCETTI, A. C. B. MENEZES, F. A. DE S. SILVA, L. A. GODOI AND S. A. SANTOS 711

ANIMAL RESEARCH PAPER

- Visceral organ growth patterns in Saanen goats
M. E. B. ANDRADE, C. J. HÄRTER, M. GINDRI, K. T. RESENDE AND I. A. M. A. TEIXEIRA 721
- Broilers' behavioural adjustments when submitted to natural heat stress and fed different maize particle sizes in the diet
M. M. SANTOS, J. B. F. SOUZA-JUNIOR, J. P. A. F. QUEIROZ, M. K. O. COSTA, H. F. F. LIMA, A. M. V. ARRUDA AND L. L. M. COSTA 743
- Effect of nutrition plane on meat quail kept in thermoneutral environment: performance and carcass characteristics
E. P. SARAVA, J. H. V. DA SILVA, F. G. P. COSTA, N. R. DOS SANTOS, V. DE F. C. FONSECA, S. G. C. G. DOS SANTOS, D. T. CAVALCANTE, T. DA S. MAGALHÃES AND J. D. C. DOS SANTOS 749

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

<https://doi.org/10.1017/S0021859620000349> Published online by Cambridge University Press



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS