

Cambridge Core

The new
home of
academic
content

cambridge.org/core

Cambridge Core



CAMBRIDGE
UNIVERSITY PRESS



Life Sciences

Books and Journals from
Cambridge University Press



Cambridge is one of the leading publishers in ecology and conservation biology and publishes high quality texts and research across the breadth of the life sciences, focusing particularly on animal behaviour, biological anthropology, evolutionary biology, computational and systems biology, as well as statistics and professional development titles for biologists.

We also have an extensive portfolio of established journals in agriculture, ecology and conservation, and animal science.

For further details visit:
cambridge.org/core-life-sciences

Cambridge
Core



CAMBRIDGE
UNIVERSITY PRESS



Cambridge Core

The new home of
Cambridge Journals

cambridge.org/core

Cambridge Core

<https://doi.org/10.1017/S0021859617000570> Published online by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CLIMATE CHANGE AND AGRICULTURE RESEARCH PAPERS

- **Elevated carbon dioxide and temperature alters aggregate specific methane consumption in a tropical vertisol**
B. KOLLAH, U. AHIRWAR AND S. R. MOHANTY 1191
- **Climate change impacts on date palm cultivation in Saudi Arabia**
A. ALLBED, L. KUMAR AND F. SHABANI 1203
- **Future climate scenarios project a decrease in the risk of fall armyworm outbreaks**
N. Y. Z. RAMIREZ-CABRAL, L. KUMAR AND F. SHABANI 1219
- **Disease-weather relationships for wheat powdery mildew under climate change in China**
L. ZHANG, B. Y. YANG, S. LI AND A. H. GUO 1239

CROPS AND SOILS REVIEW

- **The effect of ensiling on variety rank of forage maize**
J. SWANCKAERT, J. PANNECOUCQUE, J. VAN WAES, G. HAESAERT, J. DE BOEVER AND D. REHEUL 1253

CROPS AND SOILS RESEARCH PAPERS

- **Identification of quantitative trait loci underlying lutein content in soybean seeds across multiple environments**
W. L. TENG, W. J. FENG, J. Y. ZHANG, N. XIA, J. GUO, W. LI, D. P. WU, X. ZHAO, Y. P. HAN AND W. B. LI 1263
- **Yield, water productivity and economic return of dryland wheat in the Loess Plateau in response to conservation tillage practices**
Z. LI, Q. ZHANG, Q. YANG, X. YANG, J. LI, S. CUI AND Y. SHEN 1272
- **Cropping system intensification: vegetable pea can replace fallow between rainfed monsoon rice and irrigated spring rice**
A. I. MALIK, M. NASIM, K. FLOWER, M. A. HOSSAIN, M. S. RAHMAN, B. ANWAR, M. O. ALI, M. M. RAHMAN AND W. ERSKINE 1287
- **Film-mulched maize production: response to controlled-release urea fertilization**
J. M. GUO, J. Q. XUE, A. D. BLAYLOCK, Z. L. CUI AND X. P. CHEN 1299
- **Spatial and temporal variations of evapotranspiration and net water requirements of typical Mediterranean crops on the island of Cyprus**
A. CHRISTOU, P. DALIAS AND D. NEOCLEOUS 1311
- **A fungal endophyte consortium counterbalances the negative effects of reduced nitrogen input on the yield of field-grown spring barley**
B. R. MURPHY, T. R. HODKINSON AND F. M. DOOHAN 1324

ANIMAL RESEARCH PAPERS

- **A survey of management practices and flock performance and their association with flock size and ewe breed type on Irish sheep farms**
A. BOHAN, L. SHALLOO, P. CREIGHTON, T. M. BOLAND AND N. MCHUGH 1332
- **Effects of silage additives on intake, live-weight gain and carcass traits of growing and finishing dairy bulls fed pre-wilted grass silage and barley grain-based ration**
A. HUUSKONEN, A. SEPPÄLÄ AND M. RINNE 1342

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](https://www.cambridge.org/ags)



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS