

CAMBRIDGE

JOURNALS

World's Poultry Science Journal

Published on behalf of The World's Poultry Science Association

Editor

Lucy Waldron, *LWT Animal Nutrition Ltd, New Zealand*

World's Poultry Science Journal provides authoritative reviews in poultry science and an international forum for the exchange and dissemination of information including research, education and industry organisation. Each issue includes poultry industry-related news, regional reports on global developments in poultry, reports from specialist scientific working groups, book reviews, association news and a calendar of forthcoming events.

Coverage includes breeding, nutrition, welfare, husbandry, production systems, processing, product development, physiology, egg and meat quality, industry structure, economics and education.

The journal is of interest to academics, researchers, students, extension workers and commercial poultry producers.

Submit your research online

<http://mc.manuscriptcentral.com/wpsj>



World's Poultry Science Journal is available online at:
<http://journals.cambridge.org/wps>

To subscribe contact Customer Services

Americas:

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Rest of world:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

Free email alerts

Keep up-to-date with new content

<http://journals.cambridge.org/wps-alerts>

For free online content visit:
<http://journals.cambridge.org/wpsample>

 **CAMBRIDGE**
UNIVERSITY PRESS

Go Mobile

CJO Mobile (CJOm) is a streamlined
Cambridge Journals Online (CJO)
for smartphones and other
small mobile devices



- Use CJOm to access all journal content including *FirstView* articles which are published online ahead of print
- Access quickly and easily thanks to simplified design and low resolution images
- Register for content alerts or save searches and articles – they will be available on both CJO and CJOm
- Your device will be detected and automatically directed to CJOm via: journals.cambridge.org



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CLIMATE CHANGE AND AGRICULTURE RESEARCH PAPERS

- **Future distribution of cotton and wheat in Australia under potential climate change**
F. SHABANI AND B. KOTÉY 175
- **Response of grapevine phenology to recent temperature change and variability in the wine-producing area of Sremski Karlovci, Serbia**
M. RUML, N. KORAĆ, M. VUJADINOVIĆ, A. VUKOVIĆ AND D. IVANIŠEVIĆ 186
- **Simulating regional climate-adaptive field cropping with fuzzy logic management rules and genetic advance**
P. PARKER, J. INGWERSEN, P. HÖGY, E. PRIESACK AND J. AURBACHER 207
- **The effects of spatial variability of nitrous oxide emissions from grazed pastures on the sampling distribution of chamber measurements**
D. L. GILTRAP AND A. J. R. GODFREY 223
- **Effects of nitrogen fertilizer and manure application on storage of carbon and nitrogen under continuous maize cropping in Arenosols and Luvisols of Zimbabwe**
L. MUJURU, L. RUSINAMHODZI, J. NYAMANGARA AND M. R. HOOSBEEK 242

CROPS AND SOILS RESEARCH PAPERS

- **Exploring the supply and demand factors of varietal turnover in Indian wheat**
V. V. KRISHNA, D. J. SPIELMAN AND P. C. VEETIL 258
- **Delineating site-specific management zones for precision agriculture**
H. U. FARID, A. BAKHSH, N. AHMAD, A. AHMAD AND Z. MAHMOOD-KHAN 273
- **Lateral and depth patterns of soil organic carbon fractions in a mountain Mediterranean agrosystem**
L. QUIJANO, L. GASPÁR AND A. NAVAS 287
- **The yield response of oilseed rape to plant population density**
S. E. ROQUES AND P. M. BERRY 305
- **Sensitive growth stages and temperature thresholds in wheat (*Triticum aestivum* L.) for index-based crop insurance in the Indo-Gangetic Plains of India**
P. VIJAYA KUMAR, V. U. M. RAO, O. BHAVANI, A. P. DUBEY, C. B. SINGH AND B. VENKATESWARLU 321

ANIMAL RESEARCH PAPERS

- **Effect of cereal processing (grinding to 3.5 mm or dry-rolling) in maize- or barley-based high-concentrate diets on rumen environment of beef cattle during the late fattening period**
A. GIMENO, A. AL ALAMI, D. R. YAÑEZ-RUIZ, A. DE VEGA, S. SCHAUF, M. FONDEVILA AND C. CASTRILLO 334
- **Production improvement through phosphorus fertilization and legume introduction in grazed native pastures of Uruguay**
A. DEL PINO, T. RODRÍGUEZ AND J. ANDIÓN 347
- **Relationship between hatchability and non-destructive physical measurements of chicken eggs**
V. G. NARUSHIN, V. P. BOGATYR AND M. N. ROMANOV 359

Submit your paper online

<http://mc.manuscriptcentral.com/jagricsci>

Register to receive the latest news and content from the journal

<http://journals.cambridge.org/ags-alerts>

Cambridge Journals Online

For further information about this journal

please go to the journal web site at:

journals.cambridge.org/ags



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS