[HOME](#)[USER GUIDE](#)[MY ACCOUNT](#)[LISTS](#)[HELP](#)[Advanced Search](#)[Browse](#)[Ulrich's Alert](#)[Ulrich's Update](#)[Serials](#)[Quick Search](#)

Keyword

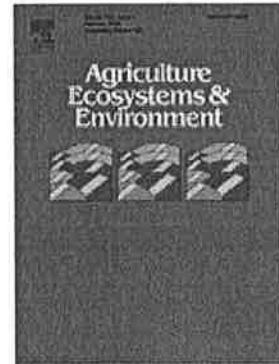
Agriculture, Ecosystems & Environment

[◀ BACK TO RESULTS](#)
[JCR® Web](#) [ScienceDirect®](#)

Click highlighted text for a new search on that item.

Table of Contents: [Click here to view](#)

ISSN: 0167-8809
Title: Agriculture, Ecosystems & Environment ▼ Additional Title Information
Publishing Body: Elsevier BV
Country: Netherlands
Status: Active
Start Year: 1982
Frequency: 24 times a year
Volume Ends: Dec
Document Type: Journal; Academic/Scholarly
Refereed: Yes
Abstracted/Indexed: Yes
Media: Print
Alternate Edition [1873-2305, 0929-1393](#)
ISSN:
Language: Text in English
Price: EUR 2,564 subscription per year in Europe to institutions
JPY 339,900 subscription per year in Japan to institutions
USD 2,873 subscription per year elsewhere to institutions
(effective 2009)
Subject: AGRICULTURE
ENVIRONMENTAL STUDIES
Dewey #: 630
LC#: S601
CODEN: AEENDO
Special Features: Includes Advertising, Bibliographies, Illustrations, Book Reviews
Article Index: Index
Editor(s): M R Carter (Editor-in-Chief)
URL: <http://www.elsevier.com/locate/agee>
Description: Concerned with the interaction of methods of agricultural production, agroecosystems and the environment.



Made for University of Southern Queensland under Part VB of the *Copyright Act 1968* in reliance on (circle one of the following):
s135ZJ (article contained in a periodical)
s135ZK (work contained in an anthology)
s135ZL (any other print or graphic copying)
on [date] 1/2/2010.

ADDITIONAL TITLE INFORMATION

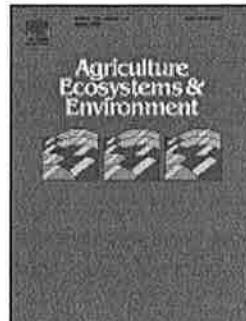
Title History: Incorporates (1979-1985): Protection Ecology (Netherlands) (0378-4339); Formed by the merger of (1974-1982): Agriculture and Environment (Netherlands) (0304-1131); (1974-1982): Agro-Ecosystems (Netherlands) (0304-3746)

[△ Back to Top](#)[Add this item to:](#)[Request this title:](#)

- [Reviewers Home](#)

Advertisers/Sponsors

- [Reprints Information](#)



ISSN: 0167-8809

Imprint: ELSEVIER

[Actions](#)

- [Submit Article](#)
- [Order Journal](#)
- [Free Sample Issue](#)
- [Recommend to Friend](#)
- [Bookmark this Page](#)

[Statistics](#)

Impact Factor: 2.308

Issues per year: 24

Editorial Board

[Contact the Editor](#)

Editor-in-Chief:*

J. Fuhrer

Agroscope Research Station ART, Air Pollution/Climate Research Group, Reckenholzstrasse 191, CH-8046 Zurich, Switzerland, Tel: +41 (0)44 3777 505, Fax: +41 (0)44 3777 201, Email: juerg.fuhrer@art.admin.ch

Associate Editors:*

J.-P. Aeschlimann

Montpellier, France

M.R. Carter

Agriculture and Agri-Food Canada, Crops and Livestock Research Centre, 440 University Avenue, Charlottetown, Prince Edward Island, C1A 4N6, Canada

A. de Rouw

Paris, France

M.J. Jones

Dorset, UK

M. Shiyomi

Ibaraki University, Mito, Japan

Editorial Advisory Board:

B. Amon

University of Natural Resources and Applied Life Sciences, Vienna, Austria

A. Arunachalam

North Eastern Regional Institute of Science and Technology, Nirjuli, Arunachal Pradesh, India - *restoration ecology, crop production, natural resource management, remote sensing and GIS, soil nutrient management*

P. Audet

University of Ottawa, Ottawa, Ont., Canada

E. Baggs

University of Aberdeen, Institute of Biological and Environmental Sciences, Scotland

K.L. Bailey

Agriculture and Agri-Food Canada, Saskatoon, SK, Canada - *biopesticides, biological control, plant pathology, microbiology, plant diseases and weeds*

N.H. Batjes

ISRIC-World Soil Information, Wageningen, The Netherlands

C. Boutin

National Wildlife Research Center, Hull, Quebec, Canada - *plant and weed diversity, non-crop habitats, organic farming, phytotoxicity, landscapes*

M.W. Brown

Appalachian Fruit Research Station, Kearneysville, WV, USA - *integrated pest management, biological control, habitat management, conservation ecology (entomology)*

F. Burel

AMR-Ecobio, Rennes Cedex, France - *landscape ecology, biodiversity, connectivity, invertebrates, hedgerows*

K.N. Cahill

Stanford University, Dept. of Global Ecology, Stanford, CA, USA

I. Cardoso

Universidade Federal de Viçosa, Minas Gerais, Brazil

M. Centritto

National Research Counsel, Monterotondo Scalo, Italy - *plant physiological ecology, gas-exchange (carbon assimilation, transpiration and isoprenoid emission), physiological responses of plants to environmental stress, climate-vegetation interactions, climate change impacts*

K.Y. Chan

N.S.W. Agriculture, Wagga Wagga, N.S.W., Australia - *soil structure, soil health, soil organic carbon, conservation tillage, earthworms*

F. Conen

University of Basel, Basel, Switzerland

C. Drury

Agriculture and Agri-Food Canada, Harrow, Ont., Canada

A.C. Edwards

Nether Backhill, Ardallie, Aberdeenshire, Scotland, UK - *soil, nutrients, cycles, impacts, agriculture*

F.A. Ewert

University of Bonn, Germany - *climate change (impacts), agroecosystems (physiology), resource use and management (land, water), systems analysis and modelling, agricultural sustainability assessment*

L.G. Firbank

Institute of Grassland and Environmental Research, North Wyke, Okehampton, Devon, U.K. - *biodiversity, agro-ecology, ecosystem services, land use, sustainable farming systems*

A. Franzluebbers

USDA-ARS Agricultural Research Service, Watkinsville, GA, USA

M. Frei

JIRCAS, Crop Production and Environment Division, Tsukuba, Ibaraki, Japan

J. Helenius

University of Helsinki, Helsinki, Finland - *agroecology, biodiversity (in farmland), ecosystem services, food systems, agroecosystem*

W.B. Hoogmoed

Wageningen University, Farm Technology Group, Wageningen, The Netherlands

Y. Huang

Chinese Academy of Sciences, P.R. China

M.J. Jones

Sherborne, UK

M.B. Kirkham

Kansas State University, Dept. of Agronomy, Manhattan, KS, USA

J. Leifeld

Research Station Agroscope Reckenholz, Zurich, Switzerland - *soil organic matter quality and turnover in agricultural systems, soil responses to land-use and management, analytical techniques in soil chemistry, greenhouse gases in agricultural systems (measurement and modelling), environmental performance of farming systems*

A. Légère

Agriculture and Agri-Food Canada, Saskatoon Research Centre, Canada

Y. Li

Chinese Academy of Agricultural Sciences, Beijing, P.R. China
N.Z. Lupwayi
Agriculture and Agri-Food Canada, Beaverlodge, Canada
E.J.P. Marshall
rshall Agroecology Limited, Winscombe, UK - *agroecology, biodiversity, vegetation management, field margins, weeds, dispersal*
W.J. McConnell
Michigan State University, East Lansing, MI, USA
K. Müller
AgResearch Ltd., Hamilton, New Zealand
G. Moreno Marcos
Universidad de Extremadura, Forestry School Plasencia, Spain
J. Nyamangara
University of Zimbabwe, Harare, Zimbabwe
O. Oenema
Wageningen University, Alterra, Wageningen, The Netherlands
D.M. Olszyk
Corvallis, OR, USA
A. Ouin
INP ENSAT, Castanet Tolosan , France
J. Pant
The WorldFish Center, Penang, Malaysia
D. Pimentel
Cornell University, Ithaca, NY, USA
H. Pleijel
Göteborg University, Göteborg, Sweden
S.L. Poggio
Universidad de Buenos Aires, Facultad de Agronomia, Buenos Aires, Argentina
D.D. Poudel
University of Louisiana, Lafayette, LA, USA
A. Reenberg
Copenhagen University, Dept. of Geography and Geology, Copenhagen, Denmark
S. Saggar
Landcare Research, Palmerston North, New Zealand
G. Seneviratne
Institute of Fundamental Studies, Kandy, Sri Lanka
P. Smith
University of Aberdeen, Aberdeen, Scotland, UK
L. Sparrow
Tasmanian Institute of Agricultural Research, Kings Meadows, Australia
M. Sperow
West Virginia University, Morgantown, WV, USA
F. van der Pol
Royal Tropical Institute Institute, Amsterdam, The Netherlands
B. Vanlauwe
TSBF-CIAT, Nairobi, Kenya
T. Veldkamp
Wageningen University, Wageningen, The Netherlands
E.F. Viglizzo
INTA Centro Regional La Pampa, Santa Rosa, Argentina
C. Wellstein
J.W. Goethe-University at Frankfurt, Dept. of Ecology and Geobotany, Frankfurt, Germany
H. Xiubin
Chinese Academy of Sciences, Yangling Shaanxi, P.R. China
H. Yao
Zhejiang University, Hangzhou, PR China

This is a spacer...

[Top of Page](#)



Previews 1.  [**Editorial Board**](#)*Page C02* [Preview](#)  [PDF \(38 K\)](#) | [Related Articles](#)

Review

 2.  [**Agricultural bio-char production, renewable energy generation and farm carbon sequestration in Western Australia: Certainty, uncertainty and risk**](#)*Pages 1-7*

Mark P. McHenry

 [Preview](#)  [PDF \(647 K\)](#) | [Related Articles](#)

Regular papers

 3.  [**Simulation of retention and transport of copper, lead and zinc in a paddy soil of the Red River Delta, Vietnam**](#)*Pages 8-16*

Minh Nguyen Ngoc, Stefan Dultz, Jörn Kasbohm

 [Preview](#)  [PDF \(905 K\)](#) | [Related Articles](#) 4.  [**Overstorey tree density and understorey regrowth effects on plant composition, stand structure and floristic richness in grazed temperate woodlands in eastern Australia**](#)*Pages 17-27*

Andrew F. Le Brocq, Kellie A. Goodhew, Charlie A. Zammit

 [Preview](#)  [PDF \(1014 K\)](#) | [Related Articles](#) 5.  [**Soil-profile organic carbon and total nitrogen during 12 years of pasture management in the Southern Piedmont USA**](#)*Pages 28-36*

A.J. Franzluebbers, J.A. Stuedemann

 [Preview](#)  [PDF \(482 K\)](#) | [Related Articles](#) 6.  [**Predicting the effects of agricultural change on farmland bird populations in Poland**](#)*Pages 37-42*

Fiona J. Sanderson, Agnieszka Kloch, Konrad Sachanowicz, Paul F. Donald

 [Preview](#)  [PDF \(405 K\)](#) | [Related Articles](#) 7.  [**Irrigation of olive groves in Southern Italy with treated municipal**](#)

wastewater: Effects on microbiological quality of soil and fruits

Pages 43-51

A.M. Palese, V. Pasquale, G. Celano, G. Figliuolo, S. Masi, C. Xiloyannis

 [Preview](#)  [PDF \(451 K\)](#) | [Related Articles](#)

8.  Are linear habitats in agrarian landscapes source areas of beneficial or pest rodents?

Pages 52-56

Thomas P. Sullivan, Druscilla S. Sullivan

 [Preview](#)  [PDF \(282 K\)](#) | [Related Articles](#)

9.  Effects of road age on the structure of roadside vegetation in south-eastern Australia

Pages 57-64

Peter G. Spooner, Lisa Smallbone

 [Preview](#)  [PDF \(908 K\)](#) | [Related Articles](#)

10.  Quantifying the effect of buffer zones, crop areas and spatial aggregation on the externalities of genetically modified crops at landscape level

Pages 65-72

M. Graziano Ceddia, Mark Bartlett, Charles Perrings

 [Preview](#)  [PDF \(352 K\)](#) | [Related Articles](#)

11.  The evolution of agrarian practices and its effects on the structure of enclosure landscapes in the Alt Empordà (Catalonia, Spain), 1957–2001

Pages 73-82

Albert Llausàs, Anna Ribas, Diego Varga, Josep Vila

 [Preview](#)  [PDF \(464 K\)](#) | [Related Articles](#)

12.  Subhumid pasture plant communities entrained by management

Pages 83-90

Julie E. Woodis, Randall D. Jackson

 [Preview](#)  [PDF \(405 K\)](#) | [Related Articles](#)

13.  Expansion of *Calamagrostis villosa* in sub-alpine *Nardus stricta* grassland: Cessation of cutting management or high nitrogen deposition?

Pages 91-96

Michal Hejcmán, Michaela Klaudisová, Pavla Hejcmánová, Vilém Pavlů, Martina Jones

 [Preview](#)  [PDF \(575 K\)](#) | [Related Articles](#)

14.  Performance and water-use efficiency (single-leaf vs. whole-canopy) of well-watered and half-stressed split-root Lambrusco grapevines grown in Po Valley (Italy)

Pages 97-106

Stefano Poni, Fabio Bernizzoni, Silvia Civardi, Matteo Gatti, Duilio Porro, Federica Camin

 [Preview](#)  [PDF \(602 K\)](#) | [Related Articles](#)

 15. 

Yield response of potato to spatially patterned nitrogen application

Pages 107-116

Rose M. Shillito, Dennis J. Timlin, David Fleisher, V.R. Reddy, Bruno Quebedeaux

 [Preview](#)  [PDF \(906 K\)](#) | [Related Articles](#)

 16. 

Pollinator diversity increases fruit production in Mexican coffee

plantations: The importance of rustic management systems

Pages 117-123

Carlos H. Vergara, Ernesto I. Badano

 [Preview](#)  [PDF \(442 K\)](#) | [Related Articles](#)

 17. 

Does hedgerow management on organic farms benefit small mammal

populations?

Pages 124-130

Felicity Siân Bates, Stephen Harris

 [Preview](#)  [PDF \(503 K\)](#) | [Related Articles](#)

 18. 

Development of biodiversity in field margins recently taken out of

production and adjacent ditch banks in arable areas

Pages 131-139

C.J.M. Musters, F. van Alebeek, R.H.E.M. Geers, H. Korevaar, A. Visser, G.R. de Snoo

 [Preview](#)  [PDF \(699 K\)](#) | [Related Articles](#)

 19. 

Effects of organic and soil conservation management on specialist bird

species

Pages 140-143

Filippi-Codaccioni Ondine, Clobert Jean, Julliard Romain

 [Preview](#)  [PDF \(225 K\)](#) | [Related Articles](#)

 20. 

Dynamics of spider colonization of apple orchards from adjacent

deciduous forest

Pages 144-148

T.E. Sackett, C.M. Buddle, C. Vincent

 [Preview](#)  [PDF \(217 K\)](#) | [Related Articles](#)

 21. 

Effects of crop diversification and low pesticide inputs on bird populations

on arable land

Pages 149-156

Ian G. Henderson, Neil Ravenscroft, Gail Smith, Stephen Holloway

 [Preview](#)  [PDF \(487 K\)](#) | [Related Articles](#)

 22. 

Modelling interactions and feedback mechanisms between land use

change and landscape processes

Pages 157-170

L. Claessens, J.M. Schoorl, P.H. Verburg, L. Geraedts, A. Veldkamp

 [Preview](#)  [PDF \(5932 K\)](#) | [Related Articles](#)

23.  [**Soil microbial response to herbicides applied to glyphosate-resistant canola**](#)

Pages 171-176

N.Z. Lupwayi, K.N. Harker, G.W. Clayton, J.T. O'Donovan, R.E. Blackshaw

 [Preview](#)  [PDF \(444 K\)](#) | [Related Articles](#)

24.  [**A map-based method for exploring responses to different levels of grazing pressure at the landscape scale**](#)

Pages 177-181

Sølvi Wehn

 [Preview](#)  [PDF \(344 K\)](#) | [Related Articles](#)

25.  [**Comparative diet selection by cattle and sheep grazing two contrasting heathland communities**](#)

Pages 182-192

M.D. Fraser, V.J. Theobald, J.B. Griffiths, S.M. Morris, J.M. Moorby

 [Preview](#)  [PDF \(482 K\)](#) | [Related Articles](#)

26.  [**Yield formation of CO₂-enriched inter-subspecific hybrid rice cultivar Liangyoupeiji under fully open-air field condition in a warm sub-tropical climate**](#)

Pages 193-200

Lianxin Yang, Hongjiang Liu, Yunxia Wang, Jianguo Zhu, Jianye Huang, Gang Liu, Guichun Dong, Yulong Wang

 [Preview](#)  [PDF \(628 K\)](#) | [Related Articles](#)

27.  [**Linkages between land management activities and stream water quality in a border dyke-irrigated pastoral catchment**](#)

Pages 201-211

R.M. Monaghan, P.L. Carey, R.J. Wilcock, J.J. Drewry, D.J. Houlbrooke, J.M. Quinn, B.S. Thorrold

 [Preview](#)  [PDF \(867 K\)](#) | [Related Articles](#)

28.  [**Characterizing the solid-solution partitioning coefficient and plant uptake factor of As, Cd, and Pb in California croplands**](#)

Pages 212-220

Weiping Chen, Lianqing Li, Andrew C. Chang, Laosheng Wu, Rufus L. Chaney, Richard Smith, Husein Ajwa

 [Preview](#)  [PDF \(891 K\)](#) | [Related Articles](#)

29.  [**Consequences of organic and non-organic farming practices for field, farm and landscape complexity**](#)

Pages 221-227

Lisa Norton, Paul Johnson, Andrew Joys, Rick Stuart, Dan Chamberlain, Ruth Feber, Les Firbank, Will Manley, Martin Wolfe, Barbara Hart, Fiona Mathews, David Macdonald, Robert J. Fuller

 [Preview](#)  [PDF \(240 K\)](#) | [Related Articles](#)

30.  [**Methane and nitrous oxide emissions from an integrated rainfed rice–fish farming system of Eastern India**](#)

Pages 228-237

A. Datta, D.R. Nayak, D.P. Sinhababu, T.K. Adhya

 [Preview](#)  [PDF \(853 K\)](#) | [Related Articles](#)

31.  [**Biodiversity, carbon stocks and sequestration potential in aboveground biomass in smallholder farming systems of western Kenya**](#)

Pages 238-252

M. Henry, P. Tittonell, R.J. Manlay, M. Bernoux, A. Albrecht, B. Vanlauwe

 [Preview](#)  [PDF \(1398 K\)](#) | [Related Articles](#)

32.  [**The influence of shade trees on coffee quality in small holder coffee agroforestry systems in Southern Colombia**](#)

Pages 253-260

Aske Skovmand Bosselmann, Klaus Dons, Thomas Oberthur, Carsten Smith Olsen, Anders Ræbild, Herman Usma

 [Preview](#)  [PDF \(301 K\)](#) | [Related Articles](#)

33.  [**Adaptation to climate change of wheat growing in South Australia: Analysis of management and breeding strategies**](#)

Pages 261-267

Qunying Luo, William Bellotti, Martin Williams, Enli Wang

 [Preview](#)  [PDF \(504 K\)](#) | [Related Articles](#)

34.  [**Reliability and input-data induced uncertainty of the EPIC model to estimate climate change impact on sorghum yields in the U.S. Great Plains**](#)

Pages 268-276

Xianzeng Niu, William Easterling, Cynthia J. Hays, Allyson Jacobs, Linda Mearns

 [Preview](#)  [PDF \(1266 K\)](#) | [Related Articles](#)

35.  [**Post-dispersal predation of weed seeds by small vertebrates: Interactive influences of neighbor land use and local environment**](#)

Pages 277-285

Gisel Carolina Boaman, Pedro Laterra, Viviana Comparatore, Natalia Murillo

 [Preview](#)  [PDF \(566 K\)](#) | [Related Articles](#)

36.  [**Changes in soil fertility parameters and the environmental effects in a rapidly developing region of China**](#)

Pages 286-292

Jeremy L. Darilek, Biao Huang, Zhigang Wang, Yanbing Qi, Yongcun Zhao,

Weixia Sun, Zhiqian Gu, Xuezheng Shi

 [Preview](#)  [PDF \(657 K\)](#) | [Related Articles](#)

37.  [**Soil characteristics under cash crop farming in upland areas of Sarawak, Malaysia**](#)

Pages 293-301

Sota Tanaka, Sayaka Tachibe, Mohd Effendi Bin Wasli, Jonathan Lat, Logie Seman, Joseph Jawa Kendawang, Kozo Iwasaki, Katsutoshi Sakurai

 [Preview](#)  [PDF \(190 K\)](#) | [Related Articles](#)

38.  [**Effect of field margins on moths depends on species mobility: Field-based evidence for landscape-scale conservation**](#)

Pages 302-309

Thomas Merckx, Ruth E. Feber, Rebecca L. Dulieu, Martin C. Townsend, Mark S. Parsons, Nigel A.D. Bourn, Philip Riordan, David W. Macdonald

 [Preview](#)  [PDF \(483 K\)](#) | [Related Articles](#)

39.  [**Impact of wildflower strips on biological control of cabbage lepidopterans**](#)

Pages 310-314

L. Pfiffner, H. Luka, C. Schlatter, A. Juen, M. Traugott

 [Preview](#)  [PDF \(248 K\)](#) | [Related Articles](#)

40.  [**Shrinkage and fragmentation of grasslands in the West Songnen Plain, China**](#)

Pages 315-324

Zongming Wang, Kaishan Song, Bai Zhang, Dianwei Liu, Chunying Ren, Ling Luo, Ting Yang, Ni Huang, Liangjun Hu, Haijun Yang, Zhiming Liu

 [Preview](#)  [PDF \(1518 K\)](#) | [Related Articles](#)

41.  [**Rotation effects of grain legumes and fallow on maize yield, microbial biomass and chemical properties of an Alfisol in the Nigerian savanna**](#)

Pages 325-331

A.A. Yusuf, R.C. Abaidoo, E.N.O. Iwuafor, O.O. Olufajo, N. Sanginga

 [Preview](#)  [PDF \(192 K\)](#) | [Related Articles](#)

42.  [**Chronosequence analysis of two enclosure management strategies in degraded rangeland of semi-arid Kenya**](#)

Pages 332-339

Ann Verdoodt, Stephen M. Mureithi, Liming Ye, Eric Van Ranst

 [Preview](#)  [PDF \(483 K\)](#) | [Related Articles](#)

Short communications

43.  [**Continuous biosolids application affects grain elemental concentrations in a dryland-wheat agroecosystem**](#)

Pages 340-343

K.A. Barbarick, J.A. Ippolito

 [Preview](#)  [PDF \(258 K\)](#) | [Related Articles](#)

44.

The role of soil organic matter in maintaining the productivity and yield stability of cereals in China

Pages 344-348

Genxing Pan, Pete Smith, Weinan Pan

 [Preview](#)  [PDF \(343 K\)](#) | [Related Articles](#)
