

# Agronomy

ISSN: 0249-5627

for Sustainable Development



  
**EDP**  
SCIENCES

 **INRA**

# Agronomy

for Sustainable Development

Formerly *Agronomie*

Volume 28 • No. 1 • pp. 1-174 – January / March 2008

## Contents

- 1 **Pharmaceutical crops in California, benefits and risks. A review** – *M. Marvier*
- 11 ***Bacillus thuringiensis*: applications in agriculture and insect resistance management. A review** – *V. Sanchis, D. Bourguet*
- 21 **Genetically modified glyphosate-tolerant soybean in the USA: adoption factors, impacts and prospects. A review** – *S. Bonny*
- 33 **Role of nutrients in controlling plant diseases in sustainable agriculture. A review** – *C. Dordas*
- 47 **Grasslands for bioenergy production. A review** – *E. Ceotto*
- 57 **Soils and sustainable agriculture. A review** – *R. Lal*
- 65 **Soil-erosion and runoff prevention by plant covers. A review** – *V. Hugo Durán Zuazo, C. Rocío Rodríguez Pleguezuelo*
- 87 **Denitrification in cropping systems at sub-zero soil temperatures. A review** – *R. L. Phillips*
- 95 **Saffron, an alternative crop for sustainable agricultural systems. A review** – *F. Gresta, G.M. Lombardo, L. Siracusa, G. Ruberto*
- 113 **Sustainable pest management for cotton production. A review** – *J.-P. Deguine, P. Ferron, D. Russell*
- 139 **Agri-environmental indicators to assess cropping and farming systems. A review** – *C. Bockstaller, L. Guichard, D. Makowski, A. Aveline, P. Girardin, S. Plantureux*
- 151 **Methodological progress in on-farm regional agronomic diagnosis. A review** – *T. Doré, C. Clermont-Dauphin, Y. Crozat, C. David, M.-H. Jeuffroy, C. Loyce, D. Makowski, E. Malézieux, J.-M. Meynard, M. Valantin-Morison*
- 163 **Ex ante assessment of the sustainability of alternative cropping systems: implications for using multi-criteria decision-aid methods. A review** – *W. Sadok, F. Angevin, J.-Bergez, C. Bockstaller, B. Colomb, L. Guichard, R. Reau, T. Doré*

### Indexed in:

Agris, Biological Abstracts/Biosis, CAB International (Field Crop Abstracts, Forestry Abstracts, Helminthological Abstracts, Herbage Abstracts, Horticultural Abstracts, Plant Breeding Abstracts, Review of Applied Entomology, Review of Plant Pathology, Soil and Fertilizers), CABS (Current Awareness in Biological Sciences), CNRS/Pascal, Current Contents (Agriculture, Biology and Environmental Sciences), Ecology Abstracts, Entomology Abstracts, Geo Abstracts, GEOBASE, Resagri, Science Citation Index.

www.edpsciences.org

