

JOURNAL OF SOIL AND WATER
Conservation
FOURTH QUARTER 2001 VOLUME 56, NUMBER 4

FEATURES

- 274 Landcare in Australia: Community Participation and Land Management**
John Cary and Trevor Webb
- 279 Soil and Water Behaviors Within the Upper Mississippi River Basin**
Ted L. Napier
- 286 Use of Continuous No-till and Rotational Tillage Systems in the Central and Northern Corribelt**
Peter R. Hill

RESEARCH

- 293 Field attributes, water pricing, and irrigation technology adoption**
E.C. Schuck and G.P. Green
- 299 Automated water sampling and flow measuring devices for runoff and subsurface drainage**
S.L. Zhao, E.C. Dorsey, S.C. Gupta, J.F. Moncrief, and D.R. Huggins
- 306 Comparing phosphorus management strategies at a watershed scale**
R.W. McDowell, A.N. Sharpley, D.B. Beegle, and J.L. Weld
- 315 Economic analysis of cover crops in summer fallow crop systems**
E.G. Smith, L. Heigh, K.K. Klein, J.R. Moyer, and R.E. Blackshaw
- 321 Comparison of methods used to calculate tillage translocation using plot-tracers**
D.A. Lobb, T.A. Quine, G. Govers, and G. Hechrath
- 329 Evaluation of soluble phosphorus loading from manure-applied fields under various spreading strategies**
M.T. Walter, E.S. Brooks, M.F. Walter, T.S. Steenhuis, C.A. Scott, and J. Boll
- 335 Modeling the effects of complex topography and patterns of tillage on soil translocation by tillage with moldboard plow**
S. de Alba



On the cover
Trees in the landscape with a canola crop—Harden, New South Wales

DEPARTMENTS

- 270 Book Reviews**
Visual Soil Assessment, *review by Doug Karlen* and Conservation Tillage and Cropping Innovation, *review by Doug Karlen, Frank Clearfield, and Peter Nowak*
- 281 Upcoming**
- 346 Abstracts for Oral Presentations at the 2001 Soil and Water Conservation Society Annual Conference**
- 375 Abstracts for Poster Presentations at the 2001 Soil and Water Conservation Society Annual Conference**
- 394 Index**

The Soil and Water Conservation Society fosters the science and the art of soil, water, and related natural resources management to achieve sustainability. We promote and practice an ethic recognizing the interdependence of people and the environment.

OFFICERS

President

Bob Eddleman, Indianapolis, IN

Vice President

Myron Senechal, Bismarck, ND

Secretary

Laurens van Vliet, Agassiz, British Columbia

Treasurer

Bryon Thompson, McCormick, SC

Executive Vice President

Craig Cox, Ames, IA

DIRECTORS

Deborah Cavanaugh-Grant, Greenview, IL

Dana Chapman, Auburn, NY

Becky Fletcher, Indianapolis, IN

Dennis Pate, Urbandale, IA

Gary Sick, New Ellenton, SC

Stephen Smarik, Phoenix, AZ

Larry Wright, Weatherford, OK

Demetrio Zourarakis, Frankfort, KY

EDITORIAL BOARD

Chairman and Research Editor

Jorge Delgado, Fort Collins, CO

Associate Research Editors

Tom Davenport, Portage, IN

William Debusk, Gainesville, FL

Eric DeVuyst, Fargo, ND

Michael Dosskey, Lincoln, NE

Eric Harmsen, Mayaguez, PR

Madhu Khanna, Urbana, IL

Bradley King, Moscow, ID

Peter Kleinman, University Park, PA

David Lobb, Winnipeg, Manitoba

Andrew Manu, Ames, IA

Kenneth Potter, Temple, TX

Clint Truman, Tifton, GA

John Williams, Pendleton, OR

Advisory Members

Warren Busscher, Florence, SC

Lynn Betts, Des Moines, IA

Mary Cressel, Herndon, VA

EDITORIAL STAFF

Editor

Deb Happe-vonArb

Manuscript Tracking

Suzi Case

Journal of Soil and Water Conservation (ISSN 0022-4561) is published four times a year in January, April, July, October by the Soil and Water Conservation Society, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021-9764. Periodicals postage paid at Ankeny, Iowa, and additional mailing offices. POSTMASTER: Send address changes to *Journal of Soil and Water Conservation*, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021-9764. Copyright © 2001 by the Soil and Water Conservation Society. SWCS assumes no responsibility for statements and opinions expressed by contributors. Address all editorial and business correspondence to *Journal of Soil and Water Conservation*, 7515 N.E. Ankeny Road, Ankeny, Iowa 50021-9764; telephone (515) 289-2331; fax (515) 289-1227. Subscription is by membership in the Soil and Water Conservation Society or by subscription. Membership dues are \$60 a year (\$75 outside the United States and Canada); individual subscriptions are \$75 a year (\$95 outside the United States). Page charges are assessed to published research authors.



printed on recycled paper