Table of Contents

**A SECTION**

**IDEAS & INNOVATIONS**
153A Grow crops, keep them sustainable, clean up the Mississippi River Basin
Megan M. Benage

**VIEWPOINT**
155A Towards exploring the hybrid soil erosion processes: Theoretical considerations
Liang-Jun Hu

**FEATURES**
158A Targeting riparian buffers and grassed waterways to address freshwater species decline
Clayton Ogg and Michelle Perez

162A Adapting agriculture to drought and extreme events
Rattan Lal, Jorge A. Delgado, Jim Gulliford, David Nielsen, Charles W. Rice, and R. Scott Van Pelt

**RESEARCH INTRODUCTION**
167A Drainage water management
R. Wayne Skaggs, Norman R. Fausey, and Robert O. Evans

---

**STATEMENT OF OWNERSHIP, MANAGEMENT, AND CIRCULATION**

I. Publication Title: Journal of Soil and Water Conservation.  
2. Publication Number: 0282-8800.  
4. Issue Frequency: Bimonthly (January/February, March/April, May/June, July/August, September/October, November/December).  
5. Number of Issues Published Annually: Six (6).  
11. Known Bondholders, Mortgagees, and Other Security Holders Owning of Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities: None.  
12. Tax Status: The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes has not changed during preceding 12 months.  
13. Publication Title: Journal of Soil and Water Conservation.  
15. Extent and Nature of Circulation:

<table>
<thead>
<tr>
<th>Description</th>
<th>Average no. copies each issue during preceding 12 months</th>
<th>No. copies of single issue published nearest to filing date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. Copies Printed (net press run)</td>
<td>3,674</td>
<td>3,501</td>
</tr>
<tr>
<td>Paid Circulation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Mailed Outside-County Paid Subscriptions</td>
<td>3,308</td>
<td>3,153</td>
</tr>
<tr>
<td>2. Mailed In-County Paid Subscriptions</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>3. Paid Distribution Outside the Mails Including Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Paid Distribution Outside USPS</td>
<td>215</td>
<td>196</td>
</tr>
<tr>
<td>4. Paid Distribution by Other Classes of Mail Through the USPS</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total Paid Distribution</td>
<td>3,524</td>
<td>3,350</td>
</tr>
<tr>
<td>Free or Nominal Rate Distribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Outside-County</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2. In-County</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3. Other Classes Mailed Through USPS</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total Free or Nominal Rate Distribution</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>F. Total Distribution</td>
<td>3,524</td>
<td>3,350</td>
</tr>
<tr>
<td>G. Copies Not Distributed</td>
<td>150</td>
<td>151</td>
</tr>
<tr>
<td>Total</td>
<td>3,674</td>
<td>3,501</td>
</tr>
<tr>
<td>I. Percent Paid</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Publication of Statement of Ownership:** This publication is a general publication. Publication of this statement is required and will be printed in the November/December 2012 issue of this publication. **Signature and Title of Editor, Publisher, Business Manager, or Owner:** Oksana Gieseman, Editor, Soil and Water Conservation Society. I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).
RESEARCH SECTION

SPECIAL RESEARCH SECTION:
WATER QUALITY AND YIELD BENEFITS OF DRAINAGE WATER MANAGEMENT IN THE US MIDWEST

453
Performance of drainage water management systems in Illinois, United States
R. Cooke and S. Verma

465
Crop yield evaluation under controlled drainage in Ohio, United States
E. Ghane, N.R. Fausey, V.S. Shedekar, H.P. Piepho, Y. Shang, and L.C. Brown

474
Impacts of drainage water management on subsurface drain flow, nitrate concentration, and nitrate loads in Indiana

485
Changes in yield and nitrate losses from using drainage water management in central Iowa, United States
D.B. Jaynes

495
Water table, drainage, and yield response to drainage water management in southeast Iowa
M. Helmers, R. Christianson, G. Brenneman, D. Lockett, and C. Pederson

502
The Nashua agronomic, water quality, and economic dataset
P. Heilman, R.S. Kanwar, R.W. Malone, L. Ma, J.L. Hatfield, and K. Boyle

513
Evaluating hydrology of the Soil and Water Assessment Tool (SWAT) with new tile drain equations
D.N. Moriasi, C.G. Rossi, J.G. Arnold, and M.D. Tomer

RESEARCH MANUSCRIPTS

525
Development and validation of the Texas Best Management Practice Evaluation Tool (TBET)
M.W. White, R.D. Harmel, and R.L. Haney

536
A comparison of three erosion control mulches on decommissioned forest road corridors in the northern Rocky Mountains, United States
R.B. Foltz

545
Stream bank erosion as a source of sediment and phosphorus in grazed pastures of the Rathbun Lake Watershed in southern Iowa, United States

556
Review of best management practice reduction efficiencies in the Lower Mississippi Alluvial Valley
R. Kröger, M. Perez, S. Walker, and A. Sharpley

The Journal of Soil and Water Conservation is online.

AUTHORS
Please submit manuscripts using the online manuscript review system.

MORE INFORMATION
Go to www.jswconline.org