# Table of Contents

## A SECTION

**EDITOR’S DESK**

96A  The gap between cover crop knowledge and practice  
Mark Anderson-Wilk

**READERS’ FORUM**

97A  More on the no-till revolution

**HOMEFRONT**

98A  Continuing work to advance the conservation cause  
Craig A. Cox

**VIEWPOINT**

99A  Americans should be proud of their accomplishments in soil conservation: A tale of two regions  
Stanley W. Trimble

**CONSERVATION IN ACTION**

100A  The conservation report from Iraq  
David R. Speidel

**IN THE NEWS**

102A  Ground lost and gained in 75 years of conservation at Coon Creek  
Joseph Hart

**CONSERVATIONIST PROFILE**

107A  Conservation pioneer Melville H. Cohee  
Peggie James

**CONSERVATION POLICY**

109A  SAFE: New Conservation Reserve Program practice to benefit soil, water, and wildlife  
Jason C. Selvog

**CONSERVATION IN PRACTICE**

110A  Mixtures and cocktails: Soil is meant to be covered  
Steve Groff

**FEATURES**

113A  Promise and limitations of soils to minimize climate change  
Rattan Lal

119A  Forest carbon offsets in the United States  
Burl Carraway and Weihuan Xu

121A  Badlands and gully erosion in the Karoo, South Africa  
John Boardman and Ian Foster

126A  Integrated nutrient management for improving crop yields and nutrient utilization efficiencies in China  
Mingsheng Fan, Zhenling Cui, Xinping Chen, Rongfeng Jiang, and Fusuo Zhang
### IDEAS & INNOVATIONS
Deep-planting methods that require minimal or no irrigation to establish riparian trees and shrubs in the Southwest
David R. Dreesen and Gregory A. Fenchel

### IMPLEMENTATION UPDATE
Drop-box weir for measuring flow rates under extreme flow conditions
James V. Bonta

### TECH TRANSFER BRIEFING
Benefits of agroforestry and grass buffers in grazed pasture systems
Sandeep Kumar, Stephen H. Anderson, Laura G. Bricknell, Ranjith P. Udawatta, and Clark J. Gantzer

### RESEARCH SECTION

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>173</td>
<td>Modeling long-term soil losses on agricultural fields due to ephemeral gully erosion</td>
<td>L.M. Gordon, S.J. Bennett, C.V. Alonso, and R.L. Bingner</td>
</tr>
<tr>
<td>193</td>
<td>Modeling runoff and sediment yields from combined in-field crop practices using the Soil and Water Assessment Tool</td>
<td>D. Maski, K.R. Mankin, K.A. Janssen, P. Tuppad, and G.M. Pierzynski</td>
</tr>
<tr>
<td>204</td>
<td>Assessing manure management strategies through small-plot research and whole-farm modeling</td>
<td>A.M. García, T.L. Veith, P.J.A. Kleinman, C.A. Rotz, and L.S. Saporito</td>
</tr>
<tr>
<td>212</td>
<td>Trends in surface-water quality of an intermittent cold-desert stream</td>
<td>C.A. Ellison, Q.D. Skinner, and L.S. Hicks</td>
</tr>
<tr>
<td>224</td>
<td>Soil hydraulic properties influenced by agroforestry and grass buffers for grazed pasture systems</td>
<td>S. Kumar, S.H. Anderson, L.G. Bricknell, R.P. Udawatta, and C.J. Gantzer</td>
</tr>
<tr>
<td>232</td>
<td>A design aid for determining width of filter strips</td>
<td>M.G. Dosskey, M.J. Helmers, and D.E. Eisenhauer</td>
</tr>
<tr>
<td>242</td>
<td>An economic risk analysis of no-till management and rental arrangements in Arkansas rice production</td>
<td>K.B. Watkins, J.L. Hill, and M.M. Anders</td>
</tr>
<tr>
<td>250</td>
<td>Comparing and predicting soil carbon quantities under different land-use systems on the Red Ferrosol soils of southeast Queensland</td>
<td>T.N. Maraseni, N.J. Mathers, B. Harms, G. Cockfield, A. Apan, and J. Maroulis</td>
</tr>
<tr>
<td>257</td>
<td>Sediment and phosphorus removal from simulated storm runoff with compost filter socks and silt fence</td>
<td>L.B. Faucette, K.A. Sefton, A.M. Sadeghi, and R.A. Rowland</td>
</tr>
</tbody>
</table>