

JOURNAL OF SOIL AND WATER Conservation

THIRD QUARTER 2001

VOLUME 56, NUMBER 3

FEATURES

176 A hierarchical evaluation of soil quality

S.J. Langley-Turnbaugh and C.V. Evans

RESEARCH

185 Managing nitrate and bacteria in runoff from livestock confinement areas with vegetative filter strips

J.J. Fajardo, J.W. Bauder, and S.D. Cash

192 Soil quality of harvested and grazed forest cutblocks in Southern British Columbia

M. Krzic, K. Broersma, R.F. Newman, T.M. Ballard, and A.A. Bomke

198 Vertical accuracy of two differentially corrected global positioning satellite systems

D.P. Johansen, D.E. Clay, C.G. Carlson, K.W. Stange, S.A. Clay, D.D. Malo, and J.A. Schumacher

202 Phosphorus risk assessment index evaluation using runoff measurements

B. Eghball and J.E. Gilley

207 Assessing uncertainty of erodibility factor in national cooperative soil surveys: a case study at Fort Hood, Texas

P. Parysow, G. Wang, G. Gertner, and A.B. Anderson

212 An evaluation of wind erosion hazard in fallow lands of semiarid Aragon (NE Spain)

M.V. López, R. Garcia, and J.L. Arrúe

220 Factors affecting nutrient application rates within three Midwestern watersheds

T.L. Napier and M. Tucker

229 Potential changes in rainfall erosivity in the U.S. with climate change during the 21st century

M.A. Nearing

233 Stocking rate effect on soil carbon and nitrogen in degraded soils

K.N. Potter, J.A. Daniel, W. Altom, and H.A. Torbert

237 CQESTR: a model to estimate carbon sequestration in agricultural soils

R.W. Rickman, C.L. Douglas, Jr., S.L. Albrecht, L.G. Bundy, and J.L. Berc

243 A phosphorus budget for Wisconsin cropland

L.G. Bundy and S.J. Sturgul

249 Slope length effects on runoff and sediment delivery

C.C. Truman, R.D. Wauchope, H.R. Sumner, J.G. Davis, G.J. Gascho, J.E. Hook, L.D. Chandler, and A.W. Johnson

Research (continued)



On the cover
Iowa NRCS photo by Lynn Betts
June 1997

RESEARCH (continued)

- 257 Comparison of two electromagnetic induction tools in salinity appraisals**
J. Doolittle, M. Petersen, and T. Wheeler
- 263 Variability of total and dissolved elements in stormwater runoff**
R.E. Zartman, R.H. Ramsey III, and A. Huang

DEPARTMENTS

- 182 Letters to the Editor**
- 183 Upcoming**