AS THE PLANET HEATS UP, WILL THE TOPSOIL MELT AWAY?

The conservation implications of climate change is explored. [See the special applied research section on the same topic found on page 43.]

By Paul D. Thatcher
RESEARCH

01 IMPACT OF THE RETURN TO CULTIVATION ON CARBON (C) SEQUESTRATION
H.A. Torbert, S.A. Prior, and G.B. Runion

09 A STATEWIDE ASSESSMENT OF THE IMPACTS OF PHOSPHORUS INDEX IMPLEMENTATION IN PENNSYLVANIA
W.J. Kogelmann, H.S. Lin, K.B. Bryant, D.B. Beegle, A.M. Wolf, and G.W. Petersen

19 STREAM BANK EROSION ADJACENT TO RIPARIAN FOREST BUFFERS, ROW-CROP FIELDS, AND CONTINUOUSLY-GRAZED PASTURES ALONG BEAR CREEK IN CENTRAL IOWA
G.N. Zaimes, R.C. Schultz, and T.M. Isenhart

28 STORM RUNOFF AND SOIL EROSION IN SOUTH FLORIDA AS AFFECTED BY WATER TABLE FLUCTUATIONS
M.R. Savabi, D. Shinde, D.A. Bulgakov, and L.D. Norton

36 APPLYING RUSLE 2.0 ON BURNED-FOREST LANDS: AN APPRAISAL
G. González-Bonorino and W.R. Osterkamp

SPECIAL SECTION

43 EXPECTED CLIMATE CHANGE IMPACTS ON SOIL EROSION RATES: A REVIEW
M.A. Nearing, F.F. Pruski, and M.R. O’Neal

51 IMPACTS OF CHANGING PRECIPITATION PATTERNS ON WATER QUALITY
J.L. Hatfield and J.H. Prueger