



88A

88A

## COIR PRODUCTS FOR SOIL BIOENGINEERING

Substitutes for rip-rap: natural coir products are finding a place in highway construction.

By Calista R. Santha

94A

## SUBSURFACE DRAINAGE AND LIQUID MANURE

It isn't a pleasant thought of liquid animal waste moving near a drain, but it happens. This article discusses the factors that are unique to fields with subsurface drains when liquid waste is used as a best management practice.

By James J. Hoorman and Martin J. Shipitalo

98A

## AGRICULTURAL EXHAUST: A REASON TO INVEST IN SOIL

Carbon in soil as a way to mitigate CO<sub>2</sub> in the atmosphere is a complicated subject. These authors attempt to break it down into manageable chunks with one major objective—keeping the soil healthy for the future.

By Alan J. Franzluebbers, Rondal F. Follett, Jane M.F. Johnson, Mark A. Liebig, Edward G. Gregorich, Timothy B. Parkin, Jeffrey L. Smith, Stephen J. Del Grosso, Michael D. Jawson, Dean A. Martens



98A

## DEPARTMENTS

76A

### HOMEFRONT—2007 Farm Bill

Column by the Soil and Water Conservation Society's Executive Director, Craig A. Cox

80A

### VIEWPOINT—Connecting regulators with researchers

George F. Czapar

83A

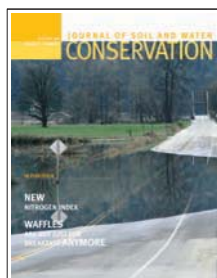
### NOTEBOOK

Conservation News You Can Use

102A

### CONSERVOGRAM

The Soil and Water Conservation Society in Action



On the Cover

Photo by PhotoDisc.



## RESEARCH

- 117** **EFFECT OF URBAN SOIL COMPACTION ON INFILTRATION RATE**  
J.H. Gregory, M.D. Dukes, P.H. Jones, and G.L. Miller
- 124** **SOIL CARBON POOLS IN CENTRAL TEXAS: PRAIRIES, RESTORED GRASSLANDS AND CROPLANDS**  
K.N. Potter and J.D. Derner
- 129** **SPATIAL VARIATION OF SOIL ORGANIC CARBON IN A NORTHEASTERN U.S. WATERSHED**  
C.J. Dell and A.N. Sharpley
- 137** **CATTLE GRAZING EFFECTS ON PLANT SPECIES COMPOSITION AND SOIL COMPACTION ON REHABILITATED FOREST LANDINGS IN CENTRAL INTERIOR BRITISH COLUMBIA**  
M. Krzic, R.F. Newman, C. Trethewey, C.E. Bulmer, and B.K. Chapman
- 144** **INTEGRATED BIOENGINEERING AND GEOTECHNICAL TREATMENTS FOR STREAMBANK RESTORATION AND STABILIZATION ALONG A LANDFILL**  
K. Barrett, W. Goldsmith, and M. Silva
- 153** **INFILTRATION RATE IN ANDISOLS: EFFECT OF CHANGES IN VEGETATION COVER**  
C.C. Jimenez, M. Tejedor, G. Morillas, and J. Neris
- 159** **EVALUATION OF SILVICULTURAL TREATMENT EFFECTS ON INFILTRATION, RUNOFF, SEDIMENT YIELD, AND SOIL MOISTURE IN A MIXED CONIFER NEW MEXICO FOREST**  
A.G. Fernald, A. Madrid, T.T. Baker, and D.M. VanLeeuwen
- 169** **THE EFFECTIVENESS OF POLYMERS AND ADDITIVES ON REDUCING SUSPENDED SEDIMENT**  
A.M. Thompson, R.K. Shrestha, and A. Roa-Espinosa
- 178** **SWCS KEYSTONE CONFERENCE ORAL PRESENTATIONS (July 22 - 26, 2006)**
- 209** **SWCS KEYSTONE CONFERENCE POSTER PRESENTATIONS (July 22 - 26, 2006)**
- 220** **SWCS KEYSTONE CONFERENCE SYMPOSIA PRESENTATIONS (July 22 - 26, 2006)**