January-February 1991
Volume 46, Number 1
To advance the science and art of good land and water use worldwide

Contents

Features
6 Viewpoint: “New Perspectives” for the Forest Service
Winifred B. Kessler tells how the Forest Service is attempting to dispense with “business as usual” as a means of staying in tune with public values

23 Managing Oregon's estuarine resources
Philip L. Jackson reviews one of the first attempts at mitigation banking to balance development with maintenance of fragile ecosystems

Commentary
45 Conservation in the 1990 farm bill: The revolution continues
Jeffrey A. Zinn discusses the evolution of the new farm bill and how the various interest groups fared in the policy game

Research reports
59 Terrain analysis: Integration into the agricultural nonpoint source (AGNPS) pollution model
John C. Panuska, Ian D. Moore, and Larry A. Kramer

Departments
2 The SWCS view
3 Pen points
49 In the news
56 Professional services & classifieds
57 Upcoming
58 Books, etc.

FACTA 1990: Conservation and environmental highlights
Wendy L. Cohen, Andrew W. Hug, Abeba Taddese, and Kenneth A. Cook summarize the conservation, environmental, and consumer provisions in the new farm bill

WEPP: A new generation of erosion prediction technology
John M. Laffen, Leonard J. Lane, and George R. Foster describe the Water Erosion Prediction Project and its implications for natural resource management

WEPP: Soil erodibility experiments for rangeland and cropland soils
J. M. Laffen, W. J. Elliot, J. R. Simanton, C. S. Holzhey, and K. D. Kohl describe the experimental procedures used in developing the WEPP model

Sediment deposition in a forested inland wetland with a steep-farmed watershed
Sherwood C. McIntyre and James W. Naney

Pearl millet versus gin trash mulches for increasing soil water and cotton yields in a semiarid region
J. D. Bilbro and D. W. Fryrear

Montana extension initiative focuses on private well quality
J. W. Bauder, B. A. White, and W. P. Insekip

Large storm effects on total soil erosion
W. M. Edwards and L. B. Owens

Cover: Agricultural Research Service scientists measure erodibility of a cropland soil near Cottonwood, South Dakota, using a rainfall simulator. See pages 27-44. ARS photo by Tim McCabe.