

Soil and Water Conservation: Productivity and Environmental Protection (3rd Edition)

By Frederick R. Troeh, J. Arthur Hobbs, Roy L. Donahue

For sophomore/senior-level courses in Soil Conservation and Water Conservation in Agronomy or Soil Science Departments. Written from an agronomic -- rather than an engineering perspective, this introduction to soil and water conservation explores a full range of topics and environmental issues, including some ignored or overlooked in other texts on the subject. Comprehensive, up-to-date, and accessible, it considers the hazards posed by erosion, sedimentation, and pollution, and describes the techniques needed to conserve soil and maintain environmental quality. Situations and examples are drawn from many places to represent a cross-section of the soils, climates and cultures of the world, as well as the full scope of agricultural, engineering, mining, and other uses of the land.

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Soil and Water Conservation: Productivity and Environmental Protection (3rd Edition) Summary Details

Soil and Water Conservation: Productivity and Environmental Protection (3rd Edition) by By Frederick R. Troeh, J. Arthur Hobbs, Roy L. Donahue ebook read online.

pdetail:

- Sales Rank: #2136026 in Books
- Published on: 1998-05-28
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 7.50" w x 1.00" l, 2.28 pounds
- Binding: Hardcover
- 610 pages

editorial:

From the Publisher

Soph/Jr. level basic text for courses in Soil and Soil/Water conservation. Prerequisite is beginning soil science course. Course is found primarily at four year land grant schools, but also sells in non-land grant schools and more rigorous 2 year schools.

From the Back Cover

Written from an agronomic — rather than an engineering — perspective, this comprehensive, up-to-date introduction to soil and water conservation explores a full range of topics and environmental issues, including some ignored or overlooked in other books on the subject. Considers the hazards posed by erosion, sedimentation, and pollution, and describes the techniques needed to conserve soil and maintain environmental quality. Draws situations and examples from many places to represent a cross-section of the soils, climates and cultures of the world, as well as the full scope of agricultural, engineering, mining, and other uses of the land. Covers the use of the soil loss equations for water erosion and wind erosion in detail — an important base for management decisions regarding the most appropriate choices of conservation practices to solve erosion problems. Examines recent concerns about various forms of pollution and provides means for predicting soil erosion and evaluating erosion damage and control costs economically. For anyone interested in soil or water conservation -- from an agronomic, rather than an engineering perspective.

About the Author

Frederick R. Troeh, Ph.D., is Professor of Agronomy in the College of Agriculture at Iowa State University. Louis M. Thompson, Ph.D., is Emeritus Associate Dean of Agriculture and Emeritus Professor of Agronomy in the College of Agriculture at Iowa State University.

Frederick R. Troeh, PhD, is Professor Emeritus, Agronomy, Iowa State University, Ames, where he taught for over 30 years. Dr. Troeh has numerous years of experience in the field of soil science with an emphasis on soil conservation and has worked abroad in Uruguay, Argentina, and Morocco. The late Roy L. Donahue, PhD, was Professor in the field of soil science at Michigan State University, East Lansing, as well as educator in India and Africa. He assembled much of the background material for this dictionary"Frederick R.

Troeh, PhD," is Professor Emeritus, Agronomy, Iowa State University. He has taught for over 32 years at Iowa State University and has numerous years of experience in the field of soil science.

"Roy L. Donahue, PhD," was a great teacher and instigator of textbooks and other writing projects (he sadly died in 1999). He assembled most of the background material for this dictionary over a period of approximately ten years.

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