



Soil and Water Conservation for Productivity and Environmental Protection (4th Edition)

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

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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 books 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. The volume covers conserving soil and water, soil erosion and civilization, geologic erosion and sedimentation, water erosion and sedimentation, wind erosion and deposition, predicting soil loss, soil surveys as a basis for land use planning, cropping systems, tillage practices for conservation, conservation structures, vegetating drastically disturbed areas, pastureland, rangeland, and forestland management, water conservation, soil drainage, irrigation and reclamation, soil pollution, water quality and pollution, economics of soil and water conservation, soil and water conservation agencies in the United States, and soil and water conservation around the world. For professionals that deal with soil and water conservation.

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Editorial Review

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

This fourth edition of *Soil and Water Conservation for Productivity and Environmental Protection* is even more comprehensive than its predecessors. It explores the hazards posed by water and wind erosion, flooding, sedimentation, and pollution in various types of land use. Situations and examples are drawn from plains, hills, and mountainous settings in America and abroad. Practical, environmental, economic, and legal aspects are considered as they influence the choice of cultural and engineering practices most appropriate for controlling runoff, erosion, and pollution.

This book is an appropriate textbook for courses in soil and water conservation. It is also a valuable reference for professional conservationists, land managers, and environmental workers.

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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