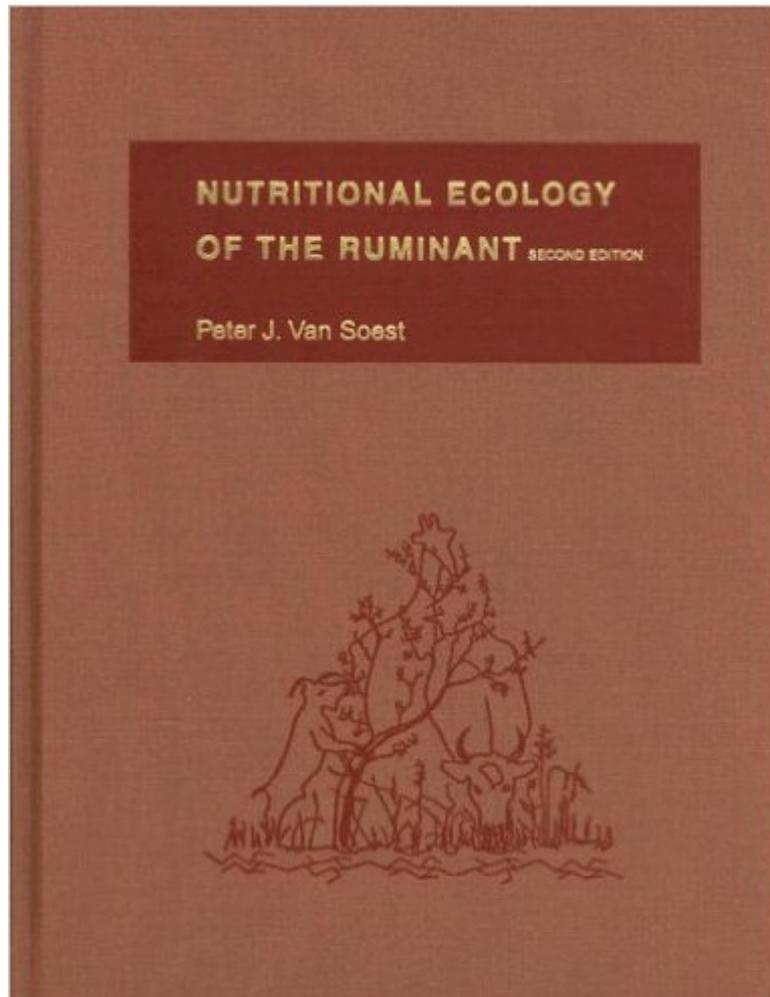


The book was found

# Nutritional Ecology Of The Ruminant (Comstock Book)



## Synopsis

This monumental text-reference places in clear perspective the importance of nutritional assessments to the ecology and biology of ruminants and other nonruminant herbivorous mammals. Now extensively revised and significantly expanded, it reflects the changes and growth in ruminant nutrition and related ecology since 1982. Among the subjects Peter J. Van Soest covers are nutritional constraints, mineral nutrition, rumen fermentation, microbial ecology, utilization of fibrous carbohydrates, application of ruminant precepts to fermentive digestion in nonruminants, as well as taxonomy, evolution, nonruminant competitors, gastrointestinal anatomies, feeding behavior, and problems of animal size. He also discusses methods of evaluation, nutritive value, physical structure and chemical composition of feeds, forages, and broses, the effects of lignification, and ecology of plant self-protection, in addition to metabolism of energy, protein, lipids, control of feed intake, mathematical models of animal function, digestive flow, and net energy. Van Soest has introduced a number of changes in this edition, including new illustrations and tables. He places nutritional studies in historical context to show not only the effectiveness of nutritional approaches but also why nutrition is of fundamental importance to issues of world conservation. He has extended precepts of ruminant nutritional ecology to such distant adaptations as the giant panda and streamlined conceptual issues in a clearer logical progression, with emphasis on mechanistic causal interrelationships. Peter J. Van Soest is Professor of Animal Nutrition in the Department of Animal Science and the Division of Nutritional Sciences at the New York State College of Agriculture and Life Sciences, Cornell University.

## Book Information

Series: Comstock Book

Hardcover: 488 pages

Publisher: Comstock Publishing Associates; 2 edition (August 12, 1994)

Language: English

ISBN-10: 080142772X

ISBN-13: 978-0801427725

Product Dimensions: 8.7 x 1.4 x 11.2 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars [See all reviews](#) (6 customer reviews)

Best Sellers Rank: #894,446 in Books (See Top 100 in Books) #64 in [Books > Textbooks > Medicine & Health Sciences > Veterinary Medicine > Food Animal](#) #132 in [Books > Medical](#)

Books > Veterinary Medicine > Bovine Medicine #142 in Books > Medical Books > Veterinary Medicine > Food Animals

## Customer Reviews

I also feel compelled to review this book due to the rather biased and (to me) uninformative reviews. Yes, this book was first published in 1994 - that's long time ago, and there's a reason it's still available. This is one of THE classic text on basic ruminant nutrition, and it absolutely nailed the literature up to the time it was published. Agriculture has been a huge business for a very long time, thus much of the material in this book - the foundations of ruminant nutrition and metabolism - was well established decades ago. As a very distinguished professor (Lee Baldwin) told a class I took in graduate school, in subsequent decades we've added another significant digit or two to e.g. VFA production ratios, but the fundamental pathways and relationships were worked out long ago, and they have not changed. I still love this book. VanSoest was a giant in the field, and in this book he very effectively conveyed his insights and knowledge, drawing from research on a huge range of studies from domestic and wild ruminants. He clearly and logically lays out fundamental concepts of ruminant (and often non-ruminant) nutrition, forage composition, fundamentals of metabolism, intake, and key aspects of the nutritional ecology of domestic and wild ruminants. Sure, there have been many advances in the field in the past couple decades, and flaws have appeared in some of the theories put forth in this book, but the basic models, simple mathematical equations, and fundamentals remain largely unchanged. I'm baffled by reviews that say this book isn't clear. It's technical, it covers a huge amount of material, it has over 30 pages of citations, and it's a great reference.

[Download to continue reading...](#)

Nutritional Ecology of the Ruminant (Comstock Book) Modeling Ruminant Digestion and Metabolism The Ruminant Immune System in Health and Disease Ruminant Pestivirus Infections: Virology, Pathogenesis, and Perspectives of Prophylaxis (Archives of Virology Supplement) Law and Ecology: The Rise of the Ecosystem Regime (Ecology and Law in Modern Society) The Ecology of Phytoplankton (Ecology, Biodiversity and Conservation) Wetland Ecology (Cambridge Studies in Ecology) Maximum Entropy and Ecology: A Theory of Abundance, Distribution, and Energetics (Oxford Series in Ecology and Evolution) Ecology and Classification of North American Freshwater Invertebrates, Third Edition (Aquatic Ecology (Academic Press)) Infectious Diseases in Primates: Behavior, Ecology and Evolution (Oxford Series in Ecology and Evolution) The Marie Selby Botanical Gardens Illustrated Dictionary of Orchid Genera (Comstock Book) The Wild Orchids of

California (Comstock Book) Diseases of Trees and Shrubs, Second Edition (Comstock Book)  
Diseases of Trees and Shrubs (Comstock Book) Tropical Forests and Their Crops (Comstock Book)  
History of the Big Bonanza (1877): An Authentic Account of the Discovery, History, and Working of  
the World Renowned Comstock Silver Lode of Nevada Juicing For Diabetics: Discover Powerful  
Juice Recipes that Fight Diabetes Based on the Latest Nutritional Research (Juice Away Illness  
Book 2) PCOS Diet Book: How you can use the nutritional approach to deal with polycystic ovary  
syndrome Dr Schuessler's Bio-chemic tissue salts (Naturopathic Nutritional Medicine Book 5) Air  
Fryer Cookbook: 100 Air Fryer Recipes with Complete Nutritional Information, Serving Sizes, and  
Pictures of Every Recipe

[Dmca](#)