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Vols. for 1964-67 contain papers of the Beef Cattle Science School; 1968-74 papers of the Stockmen's School; 1975-77 papers of the International Stockmen's School.

Diagnose and treat bovine diseases in cattle with Rebhun's Diseases of Dairy Cattle, 3rd Edition — your all-in-one guide to bovine disease management. Organized by body system for quick, convenient reference, this complete resource equips practitioners and students with the knowledge needed to confidently diagnose, treat, and prevent bovine disease. All chapters are updated from the previous edition to reflect the most up-to-date diagnostics and therapeutics, including revised drug usage considerations. An entirely new chapter for this third edition provides easy-to-read, but detailed information on diagnostic laboratory sample submission so that you will know what tests are available and the proper samples to submit. Another entirely new chapter focuses on diseases of the bull. More color photographs and illustrations are provided so that clinical signs and pathology of the diseases and diagnostic procedures commonly used in practice can be visualized. With expanded coverage of herd diseases, this new edition meets the growing need for management of both diseases of individual cows and medical problems affecting whole herds. Practical overviews for procedures such as blood transfusion, abdominal paracentesis, and ECG give you reliable support for some of the most common procedures in bovine care. A logical and user-friendly body systems organization

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makes diagnosis easier and more effective by isolating system-specific diseases and conditions. Additional public health/safety considerations identify diseases that pose a substantial public threat and detail special measures for related care of dairy cattle. Addresses the latest treatment innovations, including: antibiotic residue testing, care of individual metabolic disease, troubleshooting, and much more. Expanded, up-to-date coverage of public health/food safety considerations for practitioners helps to prevent dangerous and costly errors. Current legal and practical considerations for extra label medications are outlined, and all recommendations for drug usage have been revised according to federal guideline changes, to help ensure that you are familiar with the latest evidence-based guidelines. NEW! All-new chapter covering diseases specific to or common in the dairy bull offers valuable new content that makes this the most comprehensive resource for veterinary students and practitioners. NEW! A companion website, hosted by Cornell University with more than 60 neurologic, ultrasound, and endoscopic case study videos, illustrates key concepts discussed throughout the book and brings to life a variety of techniques that are more easily visualized than described in print. UPDATED! Expanded coverage of herd health features diseases of individual cows, as well as problems affecting entire herds, that challenge today's large animal veterinarians. NEW! Emphasis on herd health addresses the dairy industry's increased concern over population medicine. UPDATED! Revised drug usage recommendations and legal considerations present the most current information in these critical areas to help you prevent dangerous or costly errors.

This edition is expanded to include more on animal welfare, sustainability and production systems in low and middle income countries, including smallholder production systems. - Has

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undergone a thorough review of all the existing chapters, with new content on the future role of cattle. - Contains quality colour illustrations, so that key information can be found at a glance. - Is beautifully written with many examples and pointers for further information. - Tackles key issues of sustainability and the requirement for increased production.

"Animal Nutrition Science introduces the fundamental topics of animal nutrition, in a treatment which deals with terrestrial animals in general. The subjects covered include nutritional ecology and the evolution of feeding styles, nutrients (including minerals, vitamins and water) and their functions, food composition and methods of evaluating foods, mammalian and microbial digestion and the supply of nutrients, control and prediction of food intake, quantitative nutrition and ration formulation, methods of investigating nutritional problems, nutritional genomics, nutrition and the environment, and methods of feed processing and animal responses to processed foods." -- Publisher's description.

This introductory level textbook covers the welfare and environmental implications of producing cattle as well as traditional subjects such as nutrition, reproduction and housing. Its broad, international coverage includes feedlot systems, transport, subsistence farming systems and the contribution of cattle production systems to land, air and water pollution. It is an invaluable resource for undergraduate students of animal science, veterinary medicine and agriculture, as well as diploma and certificate courses and industry personnel.

Caldwell offers readers a balanced perspective on the current regulatory environment in which raw-milk lovers find themselves. Keepers of cows, goats, or sheep will benefit from information on designing a well-functioning small dairy, choosing equipment, and understanding myriad processes, including details about the business of making milk; managing the farm to create

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superior milk; understanding the microbiology of milk; and risk-reduction plans to have in place prior to selling raw milk.

"The concept for this text arose from the 18th Discover Conference on Effect of the Thermal Environment on Nutrient and Management Requirements of Cattle, which was held at the Brown County Inn in Nashville, Indiana November 2-5, 2009"--Pref.

This book covers all aspects of research into the welfare of dairy, veal and beef cattle, covering behavior, nutrition and feeding, housing and management, stockmanship, and stress physiology, as well as transport and slaughter. It also offers a detailed and critical analysis of the main indicators of animal welfare and covers the main threats to animal welfare in modern cattle production systems. Despite efforts to control udder health in cattle, are the causes of mastitis are on the rise. Although at first glance the birth process seems normal in domestic pigs, what could be the problem? What are the clinical aspects of the oestrus cycle and pregnancy endocrinology in mares? What is Lidia cattle breeding and clinic? Does calf gender affect milk yield? Do insecticides reduce fertility? Could boar pheromones be an option to stimulate sow reproduction? Animal Reproduction in Veterinary Medicine is a book with the answers to such questions. It includes 'Induction and Synchronization of Estrus', which describes the protocol

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principles and tools. The practical approach this book takes will help students, farmers, veterinarians and academics to build an understanding of the concepts and procedures required to answer real questions by comprehending the basic function of real clinic data. Humans often endure results from the misunderstanding that to be doing well, they should make each thing themselves. This comprehensive book integrates new technology and concepts that have been developed in recent years to manage dairy farms in a profitable manner. The approach to the production of livestock and quality milk is multidisciplinary, involving nutrition, reproduction, clinical medicine, genetics, pathology, epidemiology, human resource management and economics. The book is structured by the production cycle of the dairy cow covering critical points in cow management. Written and edited by highly respected experts, this book provides a thoroughly modern and up-to-date resource for all those involved in the dairy industry.

"Bovine Medicine, 3rd Edition, offers practicing large animal veterinarians and veterinary students the most comprehensive reference to the core aspects of contemporary cattle health and husbandry available today"--Provided by publisher.

Anatomy and endocrinology of cow reproduction. Puberty, oestrus and

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pregnancy. Measures of reproductive performance. Infertility in cows. The role of nutrition in cattle reproduction. Lactational anoestrus and the effect of weaning. Reproductive herd Health programmes.

The most comprehensive review available today, Marshall's Physiology of Reproduction is the classic reference source for teachers and researchers of animal reproduction. Internationally recognised leaders in their respective fields provide an analytical synopsis of the area, review current research and outline their philosophical approach to the subject. Volume 3 of the fourth edition reviews the processes of pregnancy and lactation in mammals, incorporating marsupials, non-primate eutherians and primates including man. Book one covers pregnancy from ovulation to pre-parturition, book two reviews fetal physiology, parturition and lactation. The extensive coverage of the physiology of human reproduction and lactation makes this volume a particularly important reference source for researchers in human fertility control, while the review of large animal reproduction is relevant to veterinary and para-veterinary workers.

In dairy industries throughout the world there is a desire to optimize udder health. An improved udder health will lead to improved animal welfare, improved production efficiency and a reduction of the use of antibiotics. To improve udder health, first of all, technical knowledge on issues such as treatment, milking,

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infectious pressure and host resistance is important. However, over the years we learned that knowledge alone is not enough: knowledge has to be used. And for knowledge to be used, farmers have to be motivated. This requires knowledge about motivation and communication. In this book, recent knowledge on technical udder health issues is combined with knowledge on motivation and communication. A large number of descriptions of mastitis control programs that are being carried out worldwide is combined with more specific studies. These are aimed at effective advising, motivation and communication strategies, economics, and technical studies on mastitis control and prevention. Therefore, this book provides an applied source of information for all that are willing to improve udder health.

First Published in 1966. Routledge is an imprint of Taylor & Francis, an informa company.

According to the Resource Allocation Theory, an individual's genetic potential can only be realized in an environment in which essential food resources are adequately supplied. This book describes resource allocation patterns in natural populations, the costs, preferences and trade-offs of maintenance, growth, reproduction and immune function, the consequences of selection for high production efficiency in livestock species, methods that can be used to quantify

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resource allocation patterns, and the application of resource allocation theory to improve animal production and wellbeing.

This is the second edition of the book, containing 16 chapters which focus on prevention and control of mastitis as well as on the different factors that lead to mastitis resulting in poor milk quality. The book contains two appendices, the first contains a liner line chart and the second contains parlour audit. An index is also provided.

This book presents strategies for feeding energy and protein supplements to pasture-fed dairy cows and examines the potential economic benefits.

REBHUN'S DISEASES OF DAIRY CATTLE, 2nd Edition is your all-in-one guide to bovine disease management. With thorough, up-to-date coverage of differential diagnosis methods, surgical and therapeutic treatment options, and prevention strategies, it provides vital information for battling bovine diseases in both dairy and non-dairy cattle. The book is organized by body system for quick, convenient reference, and this new edition meets the growing need for management of both diseases of individual cows and problems affecting whole herds. Individual case presentations provide a valuable tool for differential diagnosis. Practical overviews for procedures such as blood transfusion, abdominal paracentesis, and ECG give you reliable support for some of the most

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common procedures in bovine care. Body systems organization makes diagnosis easier and more effective by isolating system-specific diseases and conditions. Full-color design and over 200 new photographs depict disease processes in realistic clarity and ensure the most accurate diagnosis and treatment. Emphasis on herd health addresses the dairy industry's increased concern over population medicine. Expanded coverage of lameness highlights key problem areas in bovine feet. Revised drug usage recommendations and legal considerations present the most current information in these critical areas to help you prevent dangerous or costly errors. Additional public health/safety considerations identify diseases that pose a substantial public threat and detail special measures for related care of dairy cattle. New, innovative DVD features real-time videos of neurologic case studies, ultrasound and endoscopy procedures, and imaging techniques that familiarize you with the latest technological equipment and protocols. Features coverage of the latest treatment innovations including antibiotic residue testing, care of individual metabolic disease, troubleshooting, and much more.

The International Symposium on Ruminant Physiology (ISRP) is the premier forum for presentation and discussion of advances in knowledge of the physiology of ruminant animals. This book contains the main papers presented at

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the symposium.

A fundamental source of information in agricultural education, this book is extremely reader-friendly and organized into specific, short topics within broad general sections. Its coverage encompasses the skills needed to be competitive in today's industry, and emphasizes the need for possessing a healthy balance between understanding the scientific principles of dairy science and the practical art of implementing those principles. A nine-part organization covers the dairy industry, genetic improvement, dairy nutrition, dairy feeds, reproductive physiology, lactation physiology, dairy health and disease, dairy cow comfort, and integrating disciplines: dairy management systems. For individuals interested in the agricultural field.

Canadian historian Margaret Derry examines the evolution of modern animal breeding from the invention of improved breeding methods in 18th-century England to the application of molecular genetics in the 1980s and 1990s. Nutrition and Lactation in the Dairy Cow is the proceedings of the 46th University of Nottingham Easter School in Agricultural Science. Said symposium was concerned with the significant advances in the field of nutrition and lactation in the dairy cow. The book is divided in five parts. Part I deals with the principles behind nutrition and lactation of cows. Part II discusses the cow's nutrient

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interactions; responses to nutrients that yield protein and energy; and the influence of nutrient balance and milk yields. Part III tackles the efficiency of energy utilization in cows and its relation to milk production. Part IV talks about food intake of cows and the factors that affect it, while Part V deals with the different feeding systems for cows. The text is recommended for those involved in raising cows and dairy production, especially those who would like to know more and make studies about the relationship of nutrition and lactation of cows. Edited by world-renowned animal scientist Dr Temple Grandin, this practical book integrates scientific research and industry literature on cattle, pigs, poultry, sheep, goats, deer, and horses, in both the developed and developing world, to provide a practical guide to humane handling and minimizing animal stress. Animal Science Reviews 2012 provides scientists and students in animal science with timely analysis on key topics in current research. Originally published online in CAB Reviews, this volume makes available in printed form the reviews in animal science published during 2012.

Exploring the wide reach of modern biotechnology, from the genetic modification of plants and animals to medical genetics, assisted reproduction and human cloning, it suggests that we are losing sight of the human being in favour of adapting that being to an inhuman world."--BOOK JACKET.

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This book provides both evidence-based scientific studies and practical guidance to enhance the welfare of cattle, pigs, sheep and poultry at slaughter. Temple Grandin and Michael Cockram have brought together a range of international experts to prepare chapters on philosophical and ethical views on the slaughter of farmed animals. These include welfare issues and their assessment, the condition of animals on arrival and their management during lairage, animal handling, methods of humane slaughter and assessment of unconsciousness. The book boldly tackles controversial issues around the compromises necessary when balancing animal welfare concerns with commercial realities, as well as religious slaughter. Chapters cover methods of stunning, pre-slaughter handling, equipment design, monitoring welfare with abattoir data and auditing methods. It is an important publication for those involved in implementing improvements in the humane slaughter of farmed animals and is recommended for veterinarians, students, abattoir managers and government regulators.

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