Fertility Management In Cattle

Animal Breeding and InfertilityMastitis in Dairy Cows, An Issue of Veterinary Clinics: Food Animal Practice - E-BookReproduction in CattleSoil Fertility Management in Support of Food Security in Sub-Saharan AfricaDairy Cattle FertilityBovine ReproductionGrass-Fed CattleCurrent and Future Reproductive Technologies and World Food ProductionDairy Herd FertilityManagement Strategies for Sustainable Cattle Production in Southern PasturesBovine Infertility ManagementFarm Animal ManagementPoultry ScienceTheriogenologyFactors Affecting Calf CropLarge Dairy Herd ManagementPractical Atlas of Ruminant and Camelid Reproductive UltrasonographyAdvances in Integrated Soil Fertility Management in sub-Saharan Africa: Challenges and OpportunitiesArtificial Insemination and Treatment of Infertility in Dairy AnimalsIntegrated Soil Fertility ManagementReproduction in CattleBeef Cattle Science HandbookCow TalkIntegrated soil fertility management in the tropics: TSBF-CIAT's achievements and reflections, 2002-2005Improving Cattle for Milk, Meat and TractionIntegrated Soil Fertility Management in AfricaGoat ScienceMaternal Recognition of PregnancyCattle and Manure Management Strategies to Increase Soil Fertility in Western NigerSustainable Farming Guide BookRuminantsAnimal Models and Human ReproductionA Review of a Reproductive Performance of Female Bos Indicus (zebu) CattleBovine MedicineDairy Cattle Fertility & SterilityManagement Strategies for Sustainable Cattle Production in Southern PasturesReproductive Technologies in Farm Animals, 2nd EditionVeterinary Reproduction and ObstetricsReproductive Technologies in AnimalsArthur's Veterinary Reproduction and Obstetrics E-Book

Animal Breeding and Infertility

Mastitis in Dairy Cows, An Issue of Veterinary Clinics: Food Animal Practice - E-Book

Forward. A call for integrated soil fertility management in Africa. Introduction. ISFM and the African farmer. Part I. The principles of ISFM: ISFM as a strategic goal, Fertilizer management within ISFM, Agro-minerals in ISFM, Organic resource management, ISFM, soil biota and soil health. Part II. ISFM practices: ISFM products and fields practices, ISFM practice in drylands, ISFM practice in savannas and woodlands, ISFM practice in the humid forest zone, Conservation Agriculture. Part III. The process of implementing ISFM: soil fertility diagnosis, soil fertility management advice, Dissemination of ISFM technologies, Designing an ISFM adoption project, ISFM at farm and landscape scales. Part IV. The social dimensions of ISFM: The role of ISFM in gender empowerment, ISFM and household nutrition, Capacity building in ISFM, ISFM in the policy arena, Marketing support for ISFM, Advancing ISFM in Africa. Appendices: Mineral nutrient contents of some common organic resources.

Reproduction in Cattle

"Veterinary Reproduction and Obstetrics has been the standard reference textbook for veterinary students for many years, as well as for students of animal science

and related disciplines; in addition it has also been a useful reference source for the practicing veterinary surgeon. The new edition builds on the success of the previous edition covering normal reproduction and reproductive disorders and diseases in the common and less common domesticated species (llamas, alpacas, camels). The book has been completely revised with full colour throughout to include recent developments in reproductive biology and endocrinology, as well as the new knowledge on the causes and treatment of reproductive disease." "This is a reference text that has been refreshed well and warrants a place on practice bookshelves." - Veterinary Record, Feb 2011 Classic text reference Covering all aspects of reproduction and obstetrics in all common and less common domestic species Only book covering full range of domestic animals Practical clinical approach throughout Thorough updating throughout to reflect changes in practice since the last edition New authors and contributors to ensure contemporary and international approach (contributors from Finland, the Netherlands, USA, Denmark an New Zealand) Full colour throughout

Soil Fertility Management in Support of Food Security in Sub-Saharan Africa

Our knowledge of reproductive biology has increased enormously in recent years on cellular, molecular, and genetic levels, leading to significant breakthroughs that have directly benefitted in vitro fertilization (IVF) and other assisted reproductive technologies (ART) in humans and animal systems. Animal Models and Human Reproduction presents a comprehensive reference that reflects the latest scientific research being done in human reproductive biology utilizing domestic animal models. Chapters on canine, equine, cow, pig, frog, and mouse models of reproduction reflect frontier research in placental biology, ovarian function and fertility, non-coding RNAs in gametogenesis, oocyte and embryo metabolism, fertilization, cryopreservation, signal transduction pathways, chromatin dynamics, epigenetics, reproductive aging, and inflammation. Chapters on non-human primate models also highlight recent advancements into such issues as human in vitro fertilization (IVF) and assisted reproductive technologies (ART). This book offers animal scientists, reproductive biology scientists, clinicians and practitioners, invaluable insights into a wide range of issues at the forefront of human reproductive health.

Dairy Cattle Fertility

Cattle play a fundamental role in animal agriculture throughout the world. They not only provide us with a vital food source, but they also provide us with fertilizer and fuel. Keeping reproduction levels at an optimum level is therefore essential, but this is often a complicated process, especially with modern, high yielding cows. Written in a practical and user-friendly style, this book aims to help the reader understand cattle reproduction by explaining the underlying physiology of the reproductive process and the role and importance of pharmacology and technology, and showing how management techniques can improve reproductive efficiency. This edition includes: Recent research findings on the physiology of the oestrous cycle and its control; New techniques for monitoring and manipulating reproduction, including pregnancy diagnosis and embryo transfer; Advice on

identifying common infertility problems and how to prevent and treat them. Reproduction Cattle 3e is essential reading for veterinary and agricultural students, as well as veterinarians and farmers involved in cattle reproduction.

Bovine Reproduction

Reproductive Technologies in Animals provides the most updated and comprehensive knowledge on the various aspects and applications of reproductive technologies in production animals as well as companion, wild, exotic, and laboratory animals and birds. The text synthesizes historical information and recent discoveries, while dealing with economical and geographical issues related to the implementation of the same technologies. It also presents the effects of reproductive technology implementation on animal welfare and the possible threat of pathogen transmission. Reproductive Technologies in Animals is an important resource for academics, researchers, professionals in public and private animal business, and students at the undergraduate and graduate levels, as it gives a full and detailed first-hand analysis of all species subjected to the use of reproductive technologies. Provides research from a team of scientists and researchers whose expertise spans all aspects of animal reproductive technologies Addresses the use of reproductive technologies in a wide range of animal species Offers a complete description and historical background for each species described Discusses successes and failure as well as future challenges in reproductive technologies

Grass-Fed Cattle

Current and Future Reproductive Technologies and World Food Production

Dairy Herd Fertility

The oestrous cycle and its controls, The development of the conceptus, Pregnancy and its detection in the mare, Pregnancy and its detection in the cow, Pregnancy diagnosis in the sow, ewe and bitch, Anormalies of development of the conceptus, Prolapse of the vagina, Parturition, The care of parturient animals and the newborn:the puerperium, Dytocia:general considerations, Maternal dystocia, Fetal dystocia:aetiology and incidence, The approach to an obstetrical case, Manipulative delivery per vaginam:farm animals and the bitch, Dystocia due to fetal oversize, Dystocia due to defects of position or presentation, Dystocia due to twins or monstrosities, Injuries and diseases incidental to parturition, The caesarean operation, Caesarean operations in the bitch and cat, Retention of the fetal membranes, Postparturient prolapse of the uterus, Infertility in the cow:general, anatomical and functional, Infectious forms of infertility in cattle, The veterinary control of herd infertility, Sheep infertility, Infertility in the mare, Swine infertility, Infertility in the bitch and cat, The normal sexual apparatus of male animals, Reproductive abnormalities of male animals, Artificial insemination.

Management Strategies for Sustainable Cattle Production in

Southern Pastures

Successfully raise grass-fed cattle and enjoy the benefits of great-tasting beef and a financially stable enterprise. In this comprehensive guide, Julius Ruechel covers every aspect of raising healthy and thriving grass-fed cattle, offering advice on herd selection, pasture management, medical care, necessary equipment, winter grazing, slaughtering procedures, and more. With tips on creating a viable business plan and identifying niche markets for your beef, Ruechel provides everything you need to know to develop a profitable and environmentally sustainable grass-fed cattle operation.

Bovine Infertility Management

Farm Animal Management

Poultry Science

Anatomy and endocrinology of cow reproduction. Puberty, oestrus and pregnancy. Measures of reproductive performance. Infertility in cows. The role of nutrition in cattle reproduction. Lactetional anoestrus and the effect of weaning. Reproductive herd Health programmes.

Theriogenology

The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across biology, chemistry and medicine assembled to present papers and discuss results. The Novartis Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world.

Factors Affecting Calf Crop

Bovine Reproduction is a comprehensive, current referenceproviding information on all aspects of reproduction in the bulland cow. Offering fundamental knowledge on evaluating andrestoring fertility in the bovine patient, the book also placesinformation in the context of herd health where appropriate for atruly global view of bovine theriogenology. Printed in full colorthroughout, the book includes 83 chapters and more than 550 images,making it the most exhaustive reference available on thistopic. Each section covers anatomy and physiology, breeding management,and reproductive surgery, as well as obstetrics and pregnancywastage in the cow. Bovine Reproduction is a welcomeresource for bovine practitioners, theriogenologists, and animalscientists, as well as veterinary students and residents with aninterest in the cow.

Large Dairy Herd Management

Written for farmers who are thinking about changing their farm management from

a more conventional farming system to a sustainable, reduced-input farming system, and for agri-professionals who assist them. Written for Minnesota farmers, but has wide applicability to all regions. Many specific examples of successful adaption to sustainable farming.

Practical Atlas of Ruminant and Camelid Reproductive Ultrasonography

Building on the successful structure of the first edition, the second edition of Reproductive Technologies in Farm Animals has been totally updated and revised to provide an up to date account of the key techniques employed in manipulating reproduction in farm animals, including beef and dairy cattle, pigs, sheep, goats, buffaloes, camelids, horses and poultry. A classic introductory text to the subject, the book is based on a comprehensive review of the current literature. This text remains key reading for students in animal science, agriculture, veterinary medicine and biology, and veterinary practitioners and farmers who wish to keep updated on developments in techniques that may be useful in their daily practice.

Advances in Integrated Soil Fertility Management in sub-Saharan Africa: Challenges and Opportunities

Goat science covers quite a wide range and varieties of topics, from genetics and breeding, via nutrition, production systems, reproduction, milk and meat production, animal health and parasitism, etc., up to the effects of goat products on human health. In this book, several parts of them are presented within 18 different chapters. Molecular genetics and genetic improvement of goats are the new approaches of goat development. Several factors affect the passage rate of digesta in goats, but for diet properties, goats are similar to other ruminants. Iodine deficiency in goats could be dangerous. Assisted reproduction techniques have similar importance in goats like in other ruminants. Milk and meat production traits of goats are almost equally important and have significant positive impacts on human health. Many factors affect the health of goats, heat stress being of increasing importance. Production systems could modify all of the abovementioned characteristics of goats.

Artificial Insemination and Treatment of Infertility in Dairy Animals

Introductory animal science; Handling and control of animals; Dentition and ageing of animals; Routine farm operations; Housing farm animals; Feeding farm animals; Breeding farm animals; Maintenance of animal health.

Integrated Soil Fertility Management

Artificial Insemination and Treatment of Infertility in Dairy Animals by Honnappagol and Tandle is a handy work of 16 well experienced faculties drawn from different departments of higher learning. Most of them are actively engaged in under-graduate and post-graduate teaching with considerable expertise. Adequate care has been exercised by the editors to incorporate all the aspects of artificial

insemination and infertility in the chapters form 1 to 20 so that it can serve as a real guide to the students and veterinarians and in turn minimizing the possible economic losses to the dairy animal owners and dairy Industry. Adequate care has been taken to include all spheres of infertility starting from endocrinology of estrous cycle, role of nutrition, feed formulation, breeding strategies, estrus detection aids, recent advances in reproduction controlled breeding, fertility improvement use of ultrasound and laparoscopy, therapeutic management of infertility and reproductive disease control. Practical knowledge and skill in respect of handling, storage and evaluation of frozen semen, safety handling of cryocans and liquid nitrogen, factors affecting success rate in artificial insemination programme and drugs and hormones used in treating reproductive disorders is also provided.

Reproduction in Cattle

Theriogenology, the field that studies animal reproductive health and disease, is a challenging field that shows a steady growth. It covers diverse aspects of reproduction in domestic and wild animals, including the assisted reproductive techniques, which have enormously enhanced the ability to rescue endangered species and provide a strong support to the high reproductive efficiency requested by livestock production. Reproductive success, as well as infertility, is the culmination of complex physiological and adaptive processes that guarantee, at the end, a species' ability to reproduce and its survival in a challenging and ever-changing environment. In this book, we present to you a collection of manuscripts exploring various aspects of the reproductive function of mammal and marine species. I hope you find this a useful book in your collection.

Beef Cattle Science Handbook

Current, important information on mastitis for all food animal practitioners! Topics will include new perspectives in mastitis control, treatment of clinical mastitis, antimicrobial resistance in mastitis pathogens, the role of diagnostic microbiology in mastitis control programs, update on control of Staph aureus and Strep ag, epidemiology and control of mycoplasma mastitis, managing environmental mastitis, mastitis vaccine strategies, using mastitis records and somatic cell count data, the role of the milking machine in mastitis control, stray voltage and milk quality, communicating and implementing udder health programs, and more!

Cow Talk

It is very essential to understand the recent advances in ruminant science to recognize and control diseases and disorders in these animals. Our book, Ruminants - The Husbandry, Economic and Health Aspects, provides a concise introductory chapter and details about the main aspects of ruminants' science and production. This is the first edition of the book, so it covers the introductory level of topics, which are written specifically for veterinary students, classroom use, and practitioners who require more knowledge of dairy animal health and production. The book covers an introductory chapter and sections on husbandry and economics as well as animal health. Each book section comprises chapters from

renowned experts from the area and gives readers a unique opportunity to explore the topic.

Integrated soil fertility management in the tropics: TSBF-CIAT's achievements and reflections, 2002-2005

Practical Atlas of Ruminant and Camelid Reproductive Ultrasonography is a practical, fully referenced, image-based guide to the essential concepts of reproductive ultrasound in domesticated ruminants and camelids. Providing information to enable practitioners to incorporate ultrasound service into their practices, the book also includes more specialized information for advanced techniques such as fetal sexing, embryo transfer, color Doppler, and others. Practical Atlas of Ruminant and Camelid Reproductive Ultrasonography is a must-have reference for ruminant and camelid practitioners, instructors, and students.

Improving Cattle for Milk, Meat and Traction

"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.

Integrated Soil Fertility Management in Africa

When it comes to life science and specially by considering animal-origin protein, one of the main topics to gain importance with respect to human nutrition and health is poultry science. This book presents an introductory overview to the different fields/branches of poultry science with four main divisions: different feed resources for poultry, biofilms of salmonella and campylobacter in the poultry industry, prevention of different contaminants in modern poultry farms, and mycotoxins in poultry feed. This book will be beneficial for the graduate students, teachers, researchers, farmers, and other professionals, who are interested to fortify and expand their knowledge about chicken products in fields of poultry science, biotechnology, plant science, and agriculture.

Goat Science

In today's world, we are witnessing simultaneous breakthroughs in reproductive technologies, genomics, and molecular biology. Advances in molecular genetic technology and understanding of the bovine genome have led to the development of tools that can be used to enhance profitability on cow-calf enterprises. Factors Affecting Calf Crop: Biotechnology of Reproduction provides a detailed compilation of current and forthcoming technology for managing reproduction in cattle. The book discusses topics such as: approved techniques for controlling the estrous cycle in cattle; managing follicular growth with progesterone, estrogens, and prostaglandins; freezing, thawing, and transfer of cattle embryos; application of embryo transfer to the beef cattle industry; embryo transfer in topically adapted cattle; new factors affecting bull fertility; embryo collection and utilization technology, in vitro fertilization, somatic cell cloning, and genetic technologies; uses of real-time ultrasound; and sexed semen. Over 25 leading animal scientists

have combined their expertise to produce the first single-source reference that covers successful reproductive techniques that will, most likely, be the wave of the future. Expansive in scope, the book addresses current biotechnologies as they impact the production of beef cattle. Written at a level to appeal to the researcher, commercial producer, or student, Factors Affecting Calf Crop: Biotechnology of Reproduction presents you with a wealth of technologies applicable to animal agriculture.

Maternal Recognition of Pregnancy

The efficient management of reproduction is essential to maximise the productivity and profitability of cattle farming. Here, the anatomy and physiology of the male and female reproductive systems are described with emphasis on important recent advances such as in the hormonal control of the oestrous cycle, artificial insemination, the establishment of pregnancy, embryo loss and its possible prevention. Parturition and lactation, including their manipulation, are covered as are factors affecting the post-partum anoestrous period, which is of vital importance in maintaining herd calving interval sna patterns. Common reproductive problems of bulls and cows, and the rapidly advancing field of reproductive technology - embryo transfer, in vitro fertilization, embryo sexing and cloning - are reviewed. The book concludes with a discussion of the principles of reproductive management and selection of cattle for breeding. The emphasis throughout is on the interaction of physiology, pharmacology, technology, management and genetics of reproduction to maximize reproductive performance in cattle.

Cattle and Manure Management Strategies to Increase Soil Fertility in Western Niger

Management Strategies for Sustainable Cattle Production in Southern Pastures is a practical resource for scientists, students, and stakeholders who want to understand the relationships between soil-plant interactions and pasture management strategies, and the resultant performance of cow-calf and stocker cattle. This book illustrates the importance of matching cattle breed types and plant hardiness zones to optimize cattle production from forages and pastures. It explains the biologic and economic implications of grazing management decisions made to improve sustainability of pastures and cattle production while being compliant with present and future environmental concerns and cattle welfare programs. Documents the effects of cattle grazing on greenhouse gas emissions and carbon footprints Discusses strategies to enhance soil fertility, soil health, and nutrient cycling in pastures Provides information on the use of stocking rates, stocking strategies and grazing systems to optimize cow-calf production of weaned calves and stockers. Presents innovations in cattle supplementation and watering systems to minimize negative impacts on water and soil health Includes methods for weed control to maintain pasture condition and ecosystem stability Describes management strategies to integrate cattle operations with wildlife sustainability

Sustainable Farming Guide Book

Management Strategies for Sustainable Cattle Production in Southern Pastures is a practical resource for scientists, students, and stakeholders who want to understand the relationships between soil-plant interactions and pasture management strategies, and the resultant performance of cow-calf and stocker cattle. This book illustrates the importance of matching cattle breed types and plant hardiness zones to optimize cattle production from forages and pastures. It explains the biologic and economic implications of grazing management decisions made to improve sustainability of pastures and cattle production while being compliant with present and future environmental concerns and cattle welfare programs. Documents the effects of cattle grazing on greenhouse gas emissions and carbon footprints Discusses strategies to enhance soil fertility, soil health, and nutrient cycling in pastures Provides information on the use of stocking rates, stocking strategies and grazing systems to optimize cow-calf production of weaned calves and stockers. Presents innovations in cattle supplementation and watering systems to minimize negative impacts on water and soil health Includes methods for weed control to maintain pasture condition and ecosystem stability Describes management strategies to integrate cattle operations with wildlife sustainability

Ruminants

Food insecurity is a fundamental challenge to human welfare and economic growth in Africa. Low agricultural production leads to low incomes, poor nutrition, vulnerability to risk and threat and lack of empowerment. This book offers a comprehensive synthesis of agricultural research and development experiences from sub-Saharan Africa. The text highlights practical lessons from the sub-Saharan Africa region.

Animal Models and Human Reproduction

A Review of a Reproductive Performance of Female Bos Indicus (zebu) Cattle

This new addition to the Veterinary Health Series provides comprehensive and up-to-date coverage of breeding and fertility in animals from both temperate and tropical environments. Taking a practical, problem-oriented approach to the theory and practice of animal breeding and infertility, it deals systematically with the typical approaches and problems encountered in the treatment of cattle, goats, horses, pigs and sheep in individual chapters, written by professionals in the field

Bovine Medicine

Dairy Cattle Fertility & Sterility

Management Strategies for Sustainable Cattle Production in Southern Pastures

This book addresses the impacts of current and future reproductive technologies on our world food production and provides a significant contribution to the importance of research in the area of reproductive physiology that has never been compiled before. It would provide a unique opportunity to separate the impacts of how reproductive technologies have affected different species and their contributions to food production. Lastly, no publication has been compiled that demonstrates the relationship between developments in reproductive management tools and food production that may be used a reference for scientists in addressing future research areas. During the past 50 years assisted reproductive technologies have been developed and refined to increase the number and quality of offspring from genetically superior farm animal livestock species. Artificial insemination (AI), estrous synchronization and fixed-time AI, semen and embryo cryopreservation, multiple ovulation and embryo transfer (MOET), in vitro fertilization, sex determination of sperm or embryos, and nuclear transfer are technologies that are used to enhance the production efficiency of livestock species.

Reproductive Technologies in Farm Animals, 2nd Edition

Veterinary Reproduction and Obstetrics

The aim of this manual is to improve the welfare of dairy cattle in tropical developing countries, and by doing so, optimise cow and herd performance. It gives the stockmen and farmers directly concerned with the cattle a better understanding of animal behaviour and the ways cattle communicate their comfort or distress. The book discusses normal cattle behaviour and shows how domestication and breeding can affect behaviour to achieve high levels of production of milk, live weight gain and fertility. Animal welfare is important for producers because it can affect the health, production and contentment of cows. Animal welfare practices which adversely affect cow and herd performance on tropical small holder dairy farms are identified. Advice is then given to change the animal's environment or modify a handler's technique to ensure cattle have the degree of comfort needed to achieve more profitable and sustainable systems of livestock farming. Cow Talk will be a beneficial resource for farmers who want to improve animal welfare, farm advisers who can assist farmers to improve their welfare practices, educators who develop training programs for farmers and dairy advisers, and other stakeholders in tropical dairy production such as local agribusiness, policy makers and research scientists.

Reproductive Technologies in Animals

A manual for understanding reproductive cycles in dairy cattle and how to make them more efficient.

Arthur's Veterinary Reproduction and Obstetrics E-Book

This publication reviews issues related to land degradation, with focus on problems of soil fertility management in sub-Saharan Africa. It highlights some successful

experiences in the region, constraints and possible solutions specific to the major agro-ecological zones and the importance of the holistic and participatory approaches for soil productivity improvement. The need for action and collaborative efforts of all stakeholders, within the framework of ongoing initiatives, are emphasized. It is hoped that this document will contribute to increase awareness of senior specialists and policy-makers about the problems and alternative solutions towards enhanced and sustained soil productivity.