



Reproduction In Domestic Animals 2nd Edition

Ian Gordon



Reproduction In Domestic Animals 2nd Edition:

Reproductive Technologies in Farm Animals, 2nd Edition Ian Gordon, 2017-06-23 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 **Reproduction in Domestic Animals**

H. H. Cole, P. T. Cupps, 2013-09-24 Reproduction in Domestic Animals Second Edition discusses the chemistry of gonadotropins and biochemistry of the gonadal hormones The book presents the immunological characterization of the gonadotropins and the regulation of the secretion of pituitary gonadotropins by the nervous system The text describes the physiology of reproduction and then discusses the effects of hormones on the development and differentiation of the brain Another topic of interest is the formation of preovulatory follicles The section that follows describes the necessity of quantitative female gametes production The book will provide valuable insights for biologists zoologists students and researchers in the field of animal reproduction *Anatomy and Physiology of Farm Animals* Anna Dee Fails, Christianne Magee, 2025-07-02 A complete guide to the anatomy and physiology of farm animals fully updated and revised In the newly revised ninth edition of Anatomy and Physiology of Farm Animals distinguished veterinary professors Drs Anna Fails and Christianne Magee deliver a comprehensive guide for animal science veterinary technician and pre veterinary students and instructors seeking a well organized and easy to understand resource The new edition offers modified and refined learning objectives at the beginning of each chapter as well as a brand new chapter on llamas alpacas that highlights the significant species differences and explains the roles of these species in the wool and packing industries Additional illustrations enhance comprehension and improve the anatomy sections of the book New Study Prompts integrative application questions are included in each chapter in differently colored text and stimulate understanding of the material Finally a reorganized companion website is included with the book It integrates fully with the print text and provides supplemental content including word roots clinical cases study and practice questions and additional images diagrams and videos Readers will also find An excellent anatomy and physiology resource for high school and undergraduate students in animal science veterinary medicine and zoology programs Comprehensive explorations of the anatomy and physiology of the cell Practical discussions of embryology the skeletal system and microscopic anatomy Complete discussion of the physiology of muscle and the anatomy and physiology of the nervous system A valuable comprehensive resource for advanced high school and undergraduate animal science students in agriculture pre veterinary and veterinary technical program Anatomy and

Physiology of Farm Animals will also benefit people practicing in allied professions and veterinary practitioners **Anatomy and Physiology of Farm Animals** Rowen D. Frandson, W. Lee Wilke, Anna Dee Fails, 2013-04-01 The Seventh Edition of Anatomy and Physiology of Farm Animals is a thoroughly updated and revised version of this classic text Drawing on current science and terminology with a number of new illustrations throughout and a new chapter on poultry the book maintains its reputation for clarity balanced scope and breadth of content The Seventh Edition provides veterinary animal science agriculture and veterinary technician students with a comprehensive yet clear reference to understanding the fundamentals of anatomy and physiology **Reproduction in Farm Animals** E. S. E. Hafez, B. Hafez, 2013-05-13 When you're looking for a comprehensive and reliable text on large animal reproduction look no further the seventh edition of this classic text is geared for the undergraduate student in Agricultural Sciences and Veterinary Medicine In response to reader feedback Dr Hafez has streamlined and edited the entire text to remove all repetitious and nonessential material That means you'll learn more in fewer pages Plus the seventh editing is filled with features that help you grasp the concepts of reproduction in farm animals so you'll perform better on exams and in practice condensed and simplified tables so they're easier to consult an easy to scan glossary at the end of the book an expanded appendix which includes graphic illustrations of assisted reproduction technology Plus you'll find valuable NEW COVERAGE on all these topics Equine Reproduction expanded information reflecting today's knowledge Llamas NEW CHAPTER Micromanipulation of Gametes and In Vitro Fertilization NEW CHAPTER Reach for the text that's revised with the undergraduate in mind the seventh edition of Hafez's Reproduction in Farm Animals **The Sex Imperative** Kenneth E. Maxwell, 2013-11-11 The sex imperative the irresistible impulse to engage in sexual relations has enabled animals to share their genes and evolve Maxwell traces the progress of sex from the simple sharing of genes between cells to the elaborate courtship rituals that developed so sperm could merge with egg In the effort to join sperm and egg species have developed some astounding and unusual sexual adaptations As Maxwell vividly describes the sex lives of various creatures he attests to the resiliency and amazing adaptability of life to its everchanging environment By focusing on the diversity of animal sexual relationships Maxwell enables us to question the very basis of sexuality What is sex Why did it evolve How does sexuality and survival shape the social behavior of animals and humans The sex imperative is indeed the driving force behind Darwin's theory of random variation and natural selection better known as survival of the fittest Maxwell goes so far as to investigate our latest accomplishment in the science of begetting offspring genetic engineering This awe inspiring and unique work celebrates the power and wonder of life and sexuality of all creatures including humans After reading this engrossing and illuminating work no one will ever think of evolution in the same way Jacket *Comparative Aspects of Reproductive Failure* K. Benirschke, 2012-12-06 To many the contents of this conference may not seem appropriate at a time when the minds are preoccupied with a population explosion To the participants and guests of this conference however this was a week of fascinating discussions While quantitative aspects of

reproduction were touched upon it was mostly a search for an understanding of the qualitative aspects of reproduction and its failure. Only when we understand these more completely will it be possible to render optimum care and have the foundations for meaningful population control. The conference was conceived in discussions at the Committee on Pathology of the National Academy of Sciences, Washington, in 1965. It was felt that investigators in medicine and the veterinary fields would profit greatly from a closer liaison. All too frequently we work relatively isolated in our respective fields and with the burgeoning information filling our journals we have not enough time and leisure to stand back and attempt a comparative look at the subject of study. Often we are not familiar with the techniques other disciplines use and which we could well employ to great advantage. While this applies to many aspects of medicine, a comparative approach to the study of reproductive failure seemed most advantageous at this time.

Equine Reproductive Physiology, Breeding and Stud Management, 5th Edition Mina C.G. Davies Morel, 2020-11-02. Equine Reproductive Physiology Breeding and Stud Management 5th Edition provides a thorough grounding in equine reproductive anatomy and physiology and applies it to all aspects of breeding and stud management. This includes detailed coverage of the management of mares, stallions and foals as well as stud management practicalities such as infertility, artificial insemination and advanced reproductive techniques. This textbook, which has been updated throughout with additional material and references, continues to provide an authoritative treatise on equine reproduction for students, practising veterinary surgeons and stud managers.

Fertility and Infertility in the Domestic Animals John Archibald Laing, 1970. **The Genetics of Cattle, 2nd Edition** Dorian Garrick, Anatoly Ruvinsky, 2014-11-28. Since the time of domestication more than 10 000 years ago, cattle have played an increasingly crucial role in the development of human civilizations. Progress has been quite remarkable since the turn of the century: the sequencing of the bovine genome in 2009 launched new avenues for furthering our understanding of theoretical and practical aspects of cattle genetics. Covering a vast array of questions, this book reviews major topics from molecular and developmental genetics, disease resistance and immunogenetics to genetic improvement of dairy and beef breeds, addressing all current problems in the field. This second edition includes a new team of authors and completely new chapters on the genetics of fat production, nutrition, feed intake and efficiency, growth and body composition. Fully updated throughout, it provides a valuable resource on cattle genetics for researchers, breeders, veterinarians and postgraduate students.

Advances in the Study of Behavior Marc Naguib, 2020-04-19. *Advances in the Study of Behavior* Volume 52 provides users with the latest insights in this ever-evolving field. Users will find new information on a variety of species, including ecological determinants of sex roles and female sexual selection, copulatory behavior and genital morphology in vertebrates, proximate and ultimate influences on social behavior and more. Sample chapters in this release include: Ecological determinants of sex roles and female sexual selection; Sensory information in social insects; How the material basis of colors impacts how they evolve; participate in behavioral interactions and interface with other life history characters; Fiddler crabs.

the Evolution of female coloration and more Serves the increasing number of scientists engaged in the study of animal behavior Makes another important contribution to the development of the field Presents theoretical ideas and research to those studying animal behavior and related fields

Controlled Breeding in Farm Animals I. Gordon, 2013-10-22 This textbook provides a detailed view of the different ways in which reproduction in cattle sheep pigs and horses can be controlled and manipulated It is primarily of interest to students of animal science and veterinary medicine but will also be of use to those who are concerned with the practical aspects of reproduction control whether in an advisory capacity or in applying techniques on the farm itself A major objective of the book is to draw attention to information which may be used directly to increase the efficiency of the livestock industry

Reproduction in Domestic Animals Harold Harrison Cole, P. T. Cupps, 1977 Historical introduction Gonadotropins Role of the nervous system in reproductive processes Gonadal hormones and uterine factors Biological and immunological assay of gonadotropic and gonadal hormones Mechanism of action of sex steroid hormones in the female

Animal and Plant Productivity Robert J. Hudson, 2010-02-26 Animal and Plant Productivity theme is a component of Encyclopedia of Food and Agricultural Sciences Engineering and Technology Resources in the global Encyclopedia of Life Support Systems EOLSS which is an integrated compendium of twenty one Encyclopedias The theme on Animal and Plant Productivity Science focuses on paths to improvement of animal and plant production systems at all levels from genomes to landscapes This volume traces efforts to improve agricultural productivity and the increasingly important metrics of resilience and sustainability It deals with the essential aspects and a myriad of issues of great relevance to our world such as Productivity Efficiency And Resilience of Crop And Livestock Production Sustainable Animal Production Animal Production Systems in the Tropics Physiology of Growth and Reproduction in Livestock Evolution of Livestock Improvement Monogastric Nutrition Rumen Microbiology Meat Science Agroecology environmentally sound and socially just alternatives to the industrial farming model Range and pasture productivity Sustainable Crop Production Physiology Biochemistry and Molecular Biology Crop Improvement The Gene Revolution Ecological Economics Agricultural Economics Integrated Resource Management And Planning This volume is aimed at the following five major target audiences University and College Students Educators Professional Practitioners Research Personnel and Policy Analysts Managers and Decision Makers NGOs and GOs

The Experimental Animal in Biomedical Research Bernard E. Rollin, 1995-03-13 This volume focuses on considerations that maximize both scientific benefit and animal well being for major species of animals used in biomedical research Each species is discussed in terms of uses in research basic biology husbandry requirements proper handling disease control anesthesia analgesia and stress control natural behavior behavioral needs psychological needs and social needs and ideal environment for the animals This book is a must for anyone working with experimental animals

Environmental Health Perspectives, 1987

Experimental Endocrinology M Zarrow, 2012-12-02 Experimental Endocrinology A Sourcebook of Basic Techniques focuses on techniques and methodologies used in conducting experiments

on endocrinology The manual discusses the sources nature action and assays of hormones and estrogens Biosynthesis metabolism and mechanisms of action of hormones sites of estrogen formation and biogenesis metabolism and mechanism of action are discussed The book also focuses on the nature action and assays of progestogens relaxin androgens epinephrine and norepinephrine adrenal corticoids and thyroid hormones Experiments are presented to show the varying effects of these hormones on animals The manual also focuses on somatotropin corticotropin and thyrotropin Sites of formation nature of the hormones action of STH ACTH and TSH and biogenesis metabolism and mechanism of action are discussed The book also discusses gonadotropins oxytocin vasopressin and melanocyte stimulating hormone parathormone insulin and glucagon and invertebrate hormones The manual is a reliable source of information for students and readers interested in studying endocrinology

Animal Reproduction Andrew Ferguson Fraser,1971 Genetics and the Behavior of Domestic Animals Temple Grandin,2022-07-03

Genetics and the Behavior of Domestic Animals Third Edition offers the latest and most valuable information on animal science and behavioral genetics carrying on the book s legacy since its original publication in 1998 This book synthesizes research from behavioral genetics and animal and veterinary science bridging the gap between these fields The objective is to show that principles of behavioral genetics have practical applications to agricultural and companion animals The continuing domestication of animals is a complex process whose myriad impacts on animal behavior are commonly under appreciated Genetic factors play a significant role in both species specific behaviors and behavioral differences exhibited by individuals in the same species Leading authorities explore the impact of increased intensities of selection on domestic animal behavior Rodents cattle pigs sheep horses herding and guard dogs and poultry are all included in these discussions of genetics and behavior making this book useful to veterinarians livestock producers laboratory animal researchers and technicians animal trainers and breeders and any researcher interested in animal behavior

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Canine Reproduction Phyllis Holst,2019-05-17 New revised 3rd edition This classic reference which has become the bible for dog breeders has been revised and updated to include the latest scientific information *Canine Reproduction* covers everything from planning a mating and the basics of reproduction to managing the estrous cycle caring for the pregnant bitch whelping and care of newborns and handling reproductive problems After more than three decades of experience including laboratory work breeding exhibition and her Master s degree in prenatal development Holst writes from

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