

## The Cannabis Breeders Bible The Definitive Guide To Marijuana Genetics Cannabis Botany And Creating Strains For The Seed Market

A totally new category of plants — as easy to grow as tomatoes, perfect for gardeners Cannabis prohibition is ending around the world, and there's a new bud in town — auto-flowering cannabis. As easy to grow as tomatoes, auto-flowering cannabis is the perfect new plant for the home gardener who has limited time and space. Unlike commercially grown cannabis, auto-flowering cannabis plants are small, container-grown, day-neutral, require no special lights or equipment, and grow incredibly fast — from seed to harvest in as little as seven weeks. Written by gardening authority Jeff Lowenfels, *DIY Auto-flowering Cannabis* is a full-color, illustrated guide for everyone wanting to grow their own. It covers: The history and benefits of auto-flowering cannabis Its origins, chemistry, and growing habits Step-by-step growing methods, including tips, tricks, supplies, and seed sourcing How to harvest, process, and breed your new plants. If you are a home gardener or already grow cannabis, you too can learn how to grow this new plant with ease, all while reaping its many benefits, such as harvesting it for medical use, recreational use, or simply as a decorative, sweet-smelling flower to enjoy. If you like to grow tomatoes, you will love growing auto-flowering cannabis.

This classic book is now in full color. Excellent diagrams and images throughout show how to set up anything from a closet grow to a full size marijuana farm. Detailed information is given on both lighting and the associated electricity consumption, including all of the latest developments regarding lamps and off-grid electricity generation. Outdoor growing is also extensively covered and different techniques are fully explained, enabling anyone to cultivate high quality buds, either discreetly in your back yard or at a remote grow area, all at very little cost and just the way nature intended. Written by former commercial-scale grower Mel Thomas, *Cannabis Cultivation* divulges the expertise, tips, and insight he learned at the helm of one of the world's largest marijuana growing operations. Ideal for beginners the book is free of technical jargon and boring theory, and its step-by-step directions enable anyone to grow and harvest the highest quality marijuana buds safely using simple techniques. Detailed diagrams and instructions are included showing you how to build inexpensive versions of costly, commercially available equipment needed for successful indoor gardens.

*Marijuana Garden Saver* is the go-to field guide designed for growers who need to quickly identify and fix problems and restore plant health. It covers the pests, diseases, nutrient deficiencies, and environmental stresses that impact a cannabis garden, threatening a successful harvest. This revised and updated edition of *Marijuana Garden Saver* is the resource for all types of gardens, greenhouses, and farms: Clear photographs help you quickly identify problems indoors and out Provides clear instructions and suggests a variety of products and techniques to keep your garden healthy Features organic and safe IPM solutions The most trusted name in marijuana cultivation is here to save your garden. DJ Short's essays on the craft of indoor cannabis cultivation show how any hobbyist can refine gardening technique and achieve mastery. DJ Short is a celebrated breeder whose collection of seed strains has received international recognition for their premier quality. His first book collects two decades of experience in cannabis cultivation and breeding for the amateur grower. Short's style is both friendly and thoughtful, offering tips for selecting plants and helping the serious hobbyist finesse their garden for high quality. The first section covers cultivation and each environmental factor's contribution to the indoor gardener's success, with an emphasis on organic methods. It includes secrets to customizing lighting, temperature, air circulation, nutrients and supplements. Gardening methods, from sprouting seeds to harvesting and curing are described with quality and flavor in mind. The second section includes essential topics of breeding -- such as selecting plants, collecting pollen, and stabilizing a variety -- with careful consideration of how flavor and quality set a good breeding program apart. Includes photography of Short's varieties and other unique plants throughout, plus 8 full-color pages of exceptional cannabis.

This guide offers methods for growers who want to maximize the yield and potency of their crop. It explains the "Screen of Green" technique that gives a higher yield using fewer plants, an important development for American growers who, if caught, are penalized according to number of plants. With an emphasis on the day-to-day aspects of maintaining a garden and European expertise, this book ensures that growers will enjoy a successful harvest.

Want to grow more marijuana than you can smoke? *Let's Grow a Pound* is an easy to follow day-by-day guide that will help you grow a bigger harvest than you ever imagined possible. SeeMoreBuds, author of the hit *Marijuana Buds For Less*, has taken all the guesswork out of growing indoors and harvesting more than a pound of marijuana in under three months. Each of the 73 days it takes to get to a bountiful harvest is described and demonstrated with beautiful full-color photographs. The equipment needed, set up, and each stage of growing, care taking, hydrating, feeding and identifying and dealing with potential problems are all here. This book is a must-have for anyone even interested in growing the finest marijuana around without spending an arm and a leg. The methods demonstrated in the book are guaranteed to lead a grower to success, whether they are a complete novice or an experienced "greenthumb" looking for a better way to grow. *Let's Grow A Pound* is published and edited by world-famous marijuana cultivator Ed Rosenthal.

The all new *Marijuana Grower's Handbook* shows both beginners and advanced growers how to grow the biggest most resinous, potent buds! This book contains the latest knowledge, tools, and methods to grow great marijuana — both indoors and outdoors. *Marijuana Grower's Handbook* will show you how to use the most efficient technology and save time, labor, and energy. Ed Rosenthal is the world's foremost expert on marijuana cultivation and this is the official course book at Oaksterdam University, the leading cannabis trade school. With 500 pages of full color photos and illustrations, the book delivers all the basics that a novice grower needs, as well as scientific research for the experienced gardener. All aspects of cultivation are covered, from the selection of varieties, setting up of the garden, and through each stage of plant growth all the way to harvesting. Full color photographs throughout clarify instructions and show the stunning results possible with Ed's growing tips. "Marijuana may not be addictive, but growing it is." - Ed Rosenthal

From Chinese massage to Shiatsu to Indian head massage, this lavishly illustrated "bible" presents all the techniques needed to master the basics. Every spread features large and easy-to-follow photos, while the text guides beginners on what pressure to exert, what part of the hand makes contact with the body, and exactly what to do—whether they're feathering the back, working on the neck and scalp, or performing a sequence on the arms and hands. In addition to holistic and sports massages, there are suggestions for special situations (including massaging a baby); advice on massages to relieve common ailments; and lifestyle tips.

If you're interested in your own "strain" but find yourself growing, and growth and punnet "u"?? "ut"?? to sleep, this is the book for you. This book isn't all you need to know about growing marijuana at home and how to "rv" this "u" for clone-only growers. Cannabis breeding isn't just a technical manual, it's a fresh, energetic take on the genetic history and future of cannabis; not just the plant's origins and the story of its global spread, but the history of how cannabis, as we know it, got that way. Cannabis genetics continue to change. Cannabis Breeding takes stock of what growers can do to preserve what's good about the plant, while also chasing what's new. The book covers material other cultivation manuals don't, providing a deep but accessible primer on the theory and practice of cannabis breeding that will inform the novice and educate experienced breeders on the latest advancements in technology and methodology.

This concise guide to cannabis delves into pot culture and history, from Herodotus to the hippies and beyond. It also covers the essentials of using, cultivating, and cooking with weed; identifying pot varieties; and understanding legal and health issues. Handy and to the point, *The Little Black Book of Marijuana* gives you "the dope" on pot, from possible side effects and risks to medical uses and their efficacy. Learn about cannabis history and the issues around its legalization. Includes full-color photos of marijuana varieties.

Expanded and completely rewritten with information on grow rooms, greenhouses and outdoor growing, medicinal cannabis, security, lighting, fertilisers, hydroponics, Sea of Green, seeds, seedlings, vegetative growth, mother plants, cloning, flowering, harvesting and curing, diseases, pests and hash making. More than 1100 full colour photos and drawings illustrate every detail and numerous simple cultivation solutions make for easy appeal to novice growers. Readers will learn how to achieve the highest, most potent yields, even with limited space and budget.

Sick of buying expensive, brittle, laced pot? Crave an explosive, divine high at the tip of your fingers? Ready to soar high through the realms of self-exploration? Never want to pay for bud again? What if you could learn an amazing system that'll teach you how to grow your own marijuana so powerful, so potent, so amazing you'll wonder what trash you were smoking before? Look no further. If you're ready to learn the secrets to growing perfect ganja from an industry mastermind, save you years of effort, and never settle for garbage bud again, this is your guide.

The Cannabis Breeder's Bible sets a new standard of excellence for cannabis cultivation and breeding manuals and gives readers the tools they need to grow the most popular and potent marijuana varieties and strains in the world. Readers of this complete guide to expert breeding techniques will learn about the new age cultivars, trendy cannabis hybrids, and how to develop them for the lucrative international seed market. The Cannabis Breeder's Bible offers real-world, professional techniques for breeding superior marijuana. Expanding on the advanced cultivation methods presented in Greg Green's popular *Cannabis Grow Bible*, *The Cannabis Breeder's Bible* delves deeper into topics such as advanced pollination, seed collection, and storage; feminizing plants; increasing potency; and enhancing calyx development. Readers will discover more about primordial cannabis, landrace and lost strains, breeding compatibility, growth hormones, cannabinoids, plant cells, common mutations, and advanced floral traits. The wealth of technical insights shared in *The Cannabis Breeder's Bible* is also supported by stunning photographs, instructive illustrations, and in-depth interviews with marijuana breeders and seed bank professionals. *The Cannabis Breeder's Bible* is an advanced, specialized marijuana grow book designed for practical use by new and experienced breeders alike.

Written in clear, easy-to-understand language for the novice grower, *Closet Cultivator* is the ultimate secret growing guide. The author discusses lighting, nutrients, water systems, potency, and more, and he shows how to establish a high-yield garden in a limited space -- and on a limited budget.

When Jason King blew our minds with the first two CANNABIBLE books, we never imagined that the best was still to come. In CANNABIBLE 3, he's back with a whole new crop of marijuana strains, accompanied by informative and entertaining notes on their flavors, aromas, and effects. King heralds the latest achievements in overseas breeding, recommends the best bud for winding down after a stressful day, and discovers a nug that tastes uncannily like tropical Lifesavers candy. Packed with enough mouth-watering photos to induce a contact high, CANNABIBLE 3 is the perfect gift for pot aficionados and a must-have for fans of the first two volumes.

*Marijuana Harvest* is the world's first crop science book devoted solely to harvesting, processing and storing award-winning marijuana—now a multi-billion dollar crop. Whether you are a hobby gardener or commercial farmer, *Marijuana Harvest* shows you how to maximize the yield and quality of your garden. Full-color throughout, the book's descriptive photos make it an attractive guide to the steps needed to harvest, dry, trim, cure and store top-quality buds. Internationally recognized as the number one cultivation author, Ed Rosenthal along with renowned journalist David Downs has thoroughly researched every sector of this book visiting personal gardens and commercial farms observing techniques used as well as experimental methods under development. Winners of prestigious cannabis cups are interviewed and share their tips and advise. Content includes time, labor, and energy saving tools and equipment: Trimmers, climate controls, drying methods, storage systems, workflow charts and much more—Everything a grower needs to know to do it right. Cut through the clutter of online forums and anecdotal advice to find out how to grow and harvest top-shelf buds, both indoors and out, for use as dried flowers, extracts and edibles—all in stunning, full-color photos and illustrations. For the casual consumer there are tips on how to choose the best-grown and best-tasting buds available. The results are an accessible and informative look at harvest methods for all marijuana users and growers. Today more Americans than ever before have the ability to grow and cultivate marijuana for medical and personal use. Twenty-three states and Washington D.C. have laws permitting medical cannabis and four states and Washington D.C. have legalized adult-use recreational sales. Momentum is building going into the 2016 presidential elections, with Arcview Market Research predicting an

additional 11 states voting in favor of legalization.

Legendary grower Ed Rosenthal shares his knowledge and experience on every portion of the marijuana plant's life cycle, giving advice from seed selection to harvesting. Includes information on growth rate, lighting, CO2, temperature, nutrients, water and sexing plants. With a colour photo section, index, bibliography, tables and charts.

S.T. Oner, a highly successful grower, chef and author of cannabis books has compiled yet another incredible strain guide featuring Cannabis Indica strains from around the globe. This is the latest book in the amazing series of strain guides exploring the world's most celebrated plant. Features genetics from over 100 different seed breeders and strains from countries such as Britain, Holland, Canada, Russia, Spain, Switzerland, Germany, Belgium, France, Afghanistan, Pakistan, India and the USA. An indispensable resource for pot enthusiasts.

The Cannabis Breeder's Bible offers real-world, professional techniques for breeding primo pot and gives precise growing information for 60 popular marijuana varieties. The book covers new hybridization techniques, international seed law issues, protecting new breeds or strains from knockoff artists, shipping seeds and clones, breeding lab designs, product testing, primordial cannabis, landrace and lost strains, common mutations, and more. This useful guide also features a wealth of photographs, instructive illustrations, and in-depth interviews with breeders and seed bank professionals.

Focusing on the human relationship with plants, the author of *Second Nature* uses botany to explore four basic human desires--sweetness, beauty, intoxication, and control--through portraits of four plants that embody them: the apple, tulip, marijuana, and potato. 100,000 first printing.

This is the ultimate guide for cannabis connoisseurs and pot aficionados, as well as bud beginners and nug novices.

Danny Danko, the senior cultivation editor of *High Times*, separates the folklore from the facts to get the real scoop on the highest quality sensimilla strains available to ganja growers all over the planet. Breeders from the best seed banks on Earth reveal their secrets to creating the finest Cannabis Cup champions and annual *High Times* Top Ten Strain Awards winners. This compendium covers the world's top pot varieties, all meticulously researched and lovingly described in terms ranging from odors and flavors to potency levels and medicinal properties.

The revised edition of the bestselling textbook, covering both classical and molecular plant breeding *Principles of Plant Genetics and Breeding* integrates theory and practice to provide an insightful examination of the fundamental principles and advanced techniques of modern plant breeding. Combining both classical and molecular tools, this comprehensive textbook describes the multidisciplinary strategies used to produce new varieties of crops and plants, particularly in response to the increasing demands to of growing populations. Illustrated chapters cover a wide range of topics, including plant reproductive systems, germplasm for breeding, molecular breeding, the common objectives of plant breeders, marketing and societal issues, and more. Now in its third edition, this essential textbook contains extensively revised content that reflects recent advances and current practices. Substantial updates have been made to its molecular genetics and breeding sections, including discussions of new breeding techniques such as zinc finger nuclease, oligonucleotide directed mutagenesis, RNA-dependent DNA methylation, reverse breeding, genome editing, and others. A new table enables efficient comparison of an expanded list of molecular markers, including Allozyme, RFLPs, RAPD, SSR, ISSR, DAMD, AFLP, SNPs and ESTs. Also, new and updated "Industry Highlights" sections provide examples of the practical application of plant breeding methods to real-world problems. This new edition: Organizes topics to reflect the stages of an actual breeding project Incorporates the most recent technologies in the field, such as CRISPR genome editing and grafting on GM stock Includes numerous illustrations and end-of-chapter self-assessment questions, key references, suggested readings, and links to relevant websites Features a companion website containing additional artwork and instructor resources *Principles of Plant Genetics and Breeding* offers researchers and professionals an invaluable resource and remains the ideal textbook for advanced undergraduates and graduates in plant science, particularly those studying plant breeding, biotechnology, and genetics.

A detailed guide on seed germination, cloning, pollen, setting up a facility, understanding genetics, and creating regular, feminized, and auto flower seeds.

This full-color guide showcases the diversity of cannabis varieties. Stunning close-ups from the world's great breeders are accompanied by concise information about growing characteristics and bud quality. Engaging essays offer insights into marijuana's special botany and the culture that surrounds this controversial plant.

Soma has become synonymous with a mindful approach to cannabis gardening and an earth-friendly lifestyle. Soma's varieties of marijuana are considered legendary and have been big winners at the most reputable harvest festivals of Europe. Now for the first time, he shares the philosophy and methods that distinguish him as a world-class breeder of cannabis in one concise volume. Essays include detailed advice on organic approaches to growing the plant and address the specific needs of sophisticated connoisseurs and enthusiasts. Two full-color sections of Soma's lush photography reveal the colorful beauty and range of the cannabis plant. Perfectly suited to the home grower, Soma's advice is inspiring and informative, emphasizing the sublime qualities of marijuana's flavor and effects when grown in optimal conditions.

Ed Rosenthal's *Cannabis Grower's Handbook* is the definitive guide for all cultivators—from first-time home growers to experienced large-scale commercial cannabis operators. The *Grower's Handbook* breaks down the fundamentals of marijuana cultivation and demonstrates their practical applications in gardens of any size. Learn new techniques to maximize yield and efficiency and to grow bigger, more potent resinous buds! *Cannabis Grower's Handbook* covers the newest lighting technologies such as LED and adjustable spectrum bulbs; permaculture and regenerative farming techniques; advanced drying and curing methods and strategies; comprehensive integrated pest management; and over a dozen specialized garden setups. Still deciding what to grow? This guide will help you choose among the many options from innovative breeders, which now include autoflowering plants and CBD and CBG varieties of hemp. With over 600 pages of full-color photos, this grower's guide presents the latest science, tools, and methods to enable you to grow a cannabis garden of any size, anywhere—indoors or out. Ed Rosenthal's books are known for their easy-to-understand and trend-setting content and have educated millions of growers—hobbyists and professional cultivators alike consider Ed's books their go-to guides. This fully updated edition of Ed's groundbreaking *Marijuana Grower's Handbook* comes at a time when more people than ever before can legally grow cannabis and want to

know how to maximize their yields. Once again, Ed shows you how, this time drawing on the contributions and research of the pioneers and leaders in the legal cannabis industry, as well as from professors at leading horticultural schools at the University of California at Davis, Cornell University, the University of Connecticut, and Oaksterdam University. Two new co-authors have contributed their expertise to Cannabis Grower's Handbook: Dr. Robert Flannery holds a Ph.D. in plant biology and is the founder of Dr. Robb Farms, a licensed cannabis producer in California. Angela Bacca is an editor and journalist who has specialized in cannabis content for over ten years and edited the 2010 edition of the Marijuana Grower's Handbook. Dr. Robb and Angela Bacca join Ed Rosenthal to bring the must-have Cannabis Grower's Handbook to a rapidly "growing" audience.

This Bud's for You presents Rosenthal's next view on the cutting edge of cannabis trends. It's for people who enjoy marijuana -- consuming and growing -- including information about the plant, its effects, new trends and products, and the emerging industry. It details new varieties commercially available with breeders giving their perspective on the hottest new strains and how classic varieties were crossed to create them. These are strains sold at local dispensaries in the form of bud, edibles, and concentrates. Some stores also sell seeds and clones. Seeds for these strains are available worldwide online. It's also filled with tips and ideas from expert insiders: technical advice from the breeders, ways to judge marijuana and compare strains, and insights on how dispensary buyers make their selections. This Bud's for You goes from micro to macro looks at the world's favorite flower, zooming from large-scale commercial cultivation to the vital essences of trichome resin glands. Along the way, it covers product trends and emerging science, from the role of terpenes in creating marijuana's high to the evolution of scientific extraction methods and the revival of artisanal hash-making techniques.

The Cannabis Breeding book guide sets a new standard of excellence for cannabis cultivation and breeding manuals and gives readers the tools they need to grow the most popular and potent marijuana varieties and strains in the world. Readers of this complete guide to expert breeding techniques will learn about the new age cultivars, trendy cannabis hybrids, and how to develop them for the lucrative international seed market. The Cannabis Breeder's Bible offers real-world, professional techniques for breeding superior marijuana. Expanding on the advanced cultivation methods presented in Greg Green's popular Cannabis Grow Bible, The Cannabis Breeder's Bible delves deeper into topics such as advanced pollination, seed collection, and storage; feminizing plants; increasing potency; and enhancing calyx development. Readers will discover more about primordial cannabis, landrace and lost strains, breeding compatibility, growth hormones, cannabinoids, plant cells, common mutations, and advanced floral traits. The wealth of technical insights shared in The Cannabis Breeder's Bible is also supported by stunning photographs, instructive illustrations, and in-depth interviews with marijuana breeders and seed bank professionals. The Cannabis Breeding book guide is an advanced, specialized marijuana grow book designed for practical use by new and experienced breeders alike.

Provides information on the history, botany, and cultivation of marijuana.

Don't trash that stash! Ask Ed: Marijuana Gold—Trash to Stash offers some little-known ways to get more magic out of each and every plant. This book shares some highly efficient and successful methods for transforming leaf or trim, into THC treats, naturally. Rescue unused parts from the garbage safely with equipment from your own kitchen. Ask Ed: Marijuana Gold is conversational in style, explaining each method in down-to-earth language that anyone can understand and follow. Photos clarify the step-by-step instructions, making each method practically foolproof. Plus a special 8-page full-color photo section features vivid examples of the processes and products discussed, giving the reader a point of comparison. Questions and comments from Ask Ed™ readers are interspersed throughout the book to supplement the text and offer insider tips. This book quickly pays for itself in the money it saves anyone who uses its recycling recipes.

The Cannabis Breeder's Bible The Definitive Guide to Marijuana Genetics, Cannabis Botany and Creating Strains for the Seed Market True Living Organics teaches you how to grow organic marijuana both indoors and outdoors. It is the only organic marijuana cultivation guide on the market. The first edition sold over 15,000 copies, and the new edition has over 100 additional pages of all new information and photos detailing how to grow marijuana organically so that it is healthier and tastes better. Organic marijuana is preferred for medical marijuana users as well as recreational marijuana users, and growing organic marijuana is much cheaper than synthetic hydroponic marijuana cultivation systems. This new edition features all new composting techniques, improved soil mixes for maximizing yield, and all new techniques for organic marijuana gardening, including worm farms, organic tea mixes, and highly effective organic soil amendments. Also includes an all new organic hashish guide which teaches you how to make all-natural organic hash from marijuana without the use of any dangerous chemicals.

From this book you will learn the basics about growing marijuana for less than a dollar. Both indoors and outdoors, from seed to harvest and everything else around growing marijuana. It's not very difficult to grow huge buds, you just have to know how.

Whether you want to grow 3 plants or 30,000 there are many factors to take into consideration: Would you rather grow a strain that produces 38g per season or one that yields 9 Kilos? Would you rather grow a strain that has a high incidence of unwanted side effects (Anxiety, paranoia, headaches, etc.) or one that has a very low incidence of said effects? Do you want to grow a strain that has a 29%THC level or one that has 5%THC? One that has 0%CBDs or one that has 47%CBDs. Would you like to know which strains are almost totally immune to powdery mildew, fungus and mold or one that is particularly vulnerable to these diseases? One that can grow clear into the snows of Fall or one that needs a Mediteranian climate to thrive? Do you want to grow a strain that produces particularly well under indoor lighting or one that requires an outdoor grow to thrive? A strain that reach only 18" to 24" tall or one that grows to 12 feet? A strain that needs little water or one that requires a good deal of water? Then there are strains that absolutely must have a good deal of support and those that require none at all. Strains that take 20 weeks of flowering (After a long vegetative period) and strains that go from seed to harvest in 28 days. Interested in the medical conditions a given strain is good for? Here you can find over 120 medical conditions are listed among over 500 strains. There are even strains with near zero THC and over 42%CBDs for medical use with no high whatsoever. There are strains that have an intense odor when growing and will alert anyone within several hundreds of yards and there are strains with little odor or even an aroma that smells like something different than marijuana altogether. If you think you are going to get this information in one place - you are right. It is this book. Other than that, I hope you have thousands of hours to read many dozens of books AND search hundreds of web sites. That is what I did for the last two years. These are the results. This is NOT a book strictly about horticultural practices for marijuana in general (though you will find brief comments and an excellent all around organic bug and disease control spray menue herein). If you want in depth general marijuana horticultural information there are many sources easily available. George Servantes is one of the best and there are countless videos on You Tube for such information. This book is completely about STRAINS, what they need to grow, how they grow best, and every aspect about each strain.. You will find it invaluable.

Marijuana Botany presents the scientific knowledge and propagation techniques used to preserve and multiply vanishing Cannabis strains. Also included is information concerning Cannabis genetics and breeding used to begin plant improvement programs. The book presents scientific and horticultural principles, along with their practical applications, necessary for the breeding and propagation of Cannabis and in particular, marijuana. It will appeal not only to the professional researcher, but to the marijuana enthusiast or anyone with an eye to the future of Cannabis products. The third volume in a best-selling series about marijuana plants highlights a challenging, especially potent variety and provides profiles of seed breeders and companies along with information on 100 different genetically similar strains, in a book geared toward those states and countries where marijuana cultivation is legal. Original.

When cannabis growers have questions about their crop, they turn to this bible. With over 55,000 original copies sold, this second edition delivers even more tips, and is fully illustrated and updated with a new section on organics. Greg Green offers methods on how to maximise yield and potency, whilst blending a solid understanding of marijuana botany with practical advice on the day-to-day demands of maintaining a garden. It also covers everything from the best plant genetics to protecting crops from pests and prying eyes.

A comprehensive review of all aspects of commercial production systems, this book provides an up-to-date look at all aspects of broiler breeder production and management, starting with specialized genetic programs as developed by the primary breeders and ending with two chapters on very practical, hands-on aspects of breeder management, including extensive coverage of health management, feeding systems, environmental control, lighting programs and all aspects of male and female reproduction. Recognizing the diversity of management systems worldwide, the authors have included breeders in both temperate and warm climates and also for controlled environment vs. curtain-sided housing systems. This unique publication is an essential reference for all professionals involved in broiler breeder production.

Utilizing a handy, field-guide style, this book is divided into five sections by problem type: Pests, Diseases, Environmental Stresses, Nutrient Deficiencies, and Controls. Problems are alphabetized within each section and identified in full-color photographs. A quick overview of the problem and likely causes is followed by the author's recommended fast and easy solution.

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