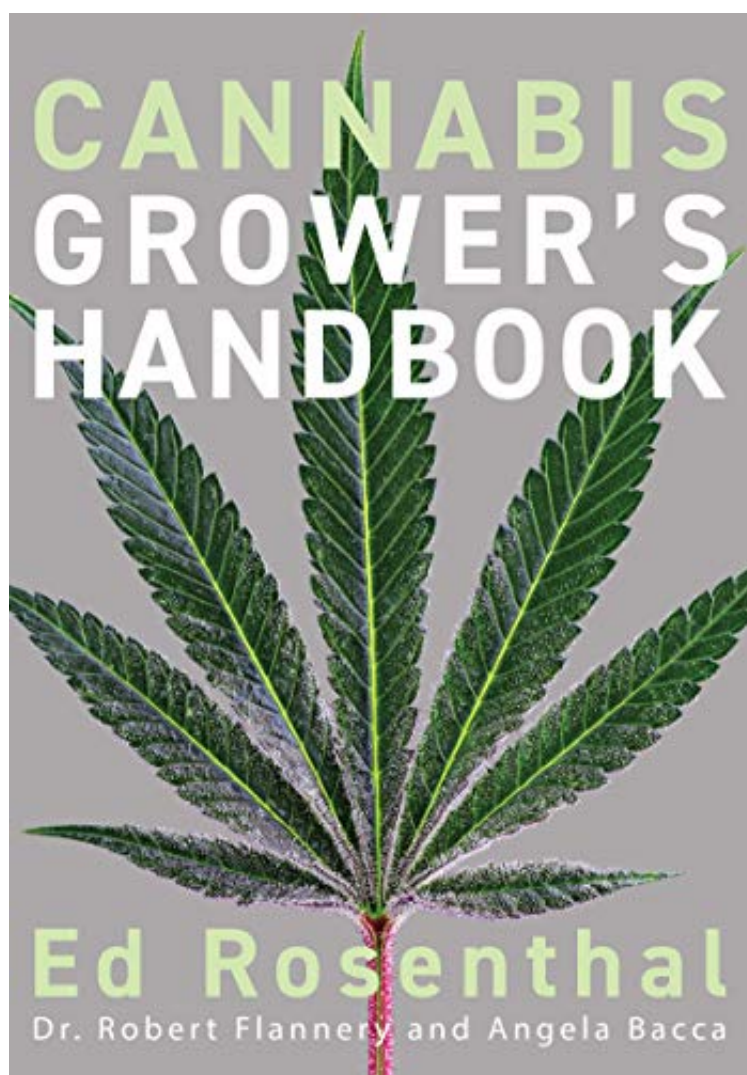


# Cannabis Grower's Handbook: The Complete Guide to Marijuana and Hemp Cultivation

*by*

Ed Rosenthal



**DOWNLOAD E-BOOK**

## Synopsis

Ed Rosenthal has been teaching people how to grow marijuana for decades. Let him help you cultivate bountiful buds, and lots of them. The techniques and tools for growing cannabis have changed over the past five years. Ed shows you the most productive and easiest methods in his new, most comprehensive book. Cannabis Grower's Handbook features the latest innovations in marijuana cultivation that will save you time, money, and energy, including: How to set up different types of home gardens, indoors and out The newest, most efficient LED lights including adjustable spectrum fixtures How to use sustainable regenerative gardening techniques Fast, reliable drying and curing methods Comprehensive integrated pest management Choosing what to grow—find out more about high THC, autoflowers, and CBD varieties Many more tools, tips, and techniques! Cannabis Grower's Handbook is the definitive guide for all cultivators. First-time home growers will learn how to get started and enjoy a successful first harvest. Experienced growers will find new information about lighting, flowering, outdoor CO<sub>2</sub>, stimulating growth, and harvesting. This book is an essential reference for developing standard operating procedures, whether for micro-operations or large-scale commercial cannabis operations. 600 PAGES OF FULL-COLOR PHOTOS, DIAGRAMS, AND CHARTS. ED ROSENTHAL is a legend—a veteran educator and an outspoken proponent of Full Legalization and The Right to Grow. His books are beloved by growers for their accessible style, accuracy, and innovative content. Ed wrote Cannabis Grower's Handbook with a team of botanists, industry consultants, and scientists to ensure that you have the most up-to-date, accurate information to help you grow. This is the most extensively researched book about marijuana cultivation available. It will be your handy guide, like having an expert in your garden.

## Sort review

“Mr. Rosenthal is the pothead's answer to Ann Landers, Judge Judy, Martha Stewart and the Burpee Garden Wizard all in one.”—The New York Times “A very comprehensive work addressing every aspect of growing marijuana or hemp.... This book offers basic steps on how to start home growing year-round. Rosenthal pays meticulous attention to key advances and latest technology applicable to both small and large gardens.... The verdict: Rosenthal has compiled an encyclopedic and up-to-date treatment of this developing topic, leaving no stone unturned.”—Library Journal “Ed's books have been every grower's go-to textbooks when it comes to growing good pot, combating diseases, thieves, and other pests that could waste an entire growing cycle.”—Tommy Chong “Oaksterdam University and over 50,000 alumni from more than 40 countries have relied upon Ed Rosenthal as a trusted resource for horticultural textbooks. It is only natural that mainstream universities follow suit and source the best, as we did.”—Dale Sky Jones, Oaksterdam University Executive Chancellor “I have used Ed's books since my first grow in 1975 and have relied on Ed's vast knowledge and foresight ever since. When it comes to the

future of cannabis, Ed always calls it right.”—Tim Blake, founder of The Emerald Cup“Ed Rosenthal has inspired more cannabis growers (myself included) than anyone on the planet. Ed’s books are responsible for my first venture in cannabis horticulture 25 years ago and every new edition still becomes a cornerstone to every new garden. Ed’s books are essential reading for newbies and savvy growers alike.”—Guy Holmes, founder and publisher of Grow Magazine“Ed Rosenthal has taught millions of people around the world how to grow cannabis organically either as hobbyists or as members of the cannabis industry. Ed is always on the leading edge of what growers need to know in order to grow and enjoy amazing cannabis.”—Julie Chiarello, editor-in-chief of Skunk Magazine“WARNING: Do not lend out this book, you won’t get it back! If there is an OG of cannabis, it is Ed Rosenthal.”—Jeff Lowenfels, author of *Teeming with Microbes*--This text refers to the paperback edition.Excerpt. © Reprinted by permission. All rights reserved.The final harvest of a plant is a result of its “nature” and “nurture.” The potential for high-potency cannabis is determined by genetics, or nature. However, environmental conditions, or nurture, affect the plant’s growth and yield. Some plants have the genetic potential to produce high-quality cannabis and others do not. The goal of the cultivator is to provide the optimal environment to nurture the plants so they reach their full genetic potential.Cannabis is a fast-growing annual plant, although some varieties in warm areas can overwinter by going dormant as the days shorten, then grow and flower again the next summer. The plant evolved on the Tibetan plateau, where the altitude averages 10,000 feet (3,000 m). Cannabis has evolved to grow, flower, and seed before the autumn snow in order for the population to survive to grow the following season.Cannabis does best in a well-drained, nutrient-rich growing medium and requires long periods of bright, unobstructed light daily. Cannabis is usually dioecious, meaning plants are either male or female. Annual dioecious plants are rather unique in the plant kingdom.Occasionally monoecious plants, or hermaphrodites, appear and produce both male and female flowers; however, this is often a function of a plant being stressed to induce hermaphroditism. Hermaphroditic plants are most common among some varieties native to south Asia, but can also result from inadequate light, poor nutrition, or switching from long uninterrupted nights to short or interrupted dark periods and back again. Because monoecious plants produce male flowers that can pollinate females, they are undesirable and should be removed from the garden as soon as they appear to avoid a pollination event.Cannabis grown in the wild or with traditional methods outdoors has an annual cycle that begins with seed germination in the early spring. The plant grows vigorously in a vegetative state for several months as the days get longer and they begins to flower as the lengthening darkness reaches a critical period in late summer or early fall.--This text refers to the paperback edition.About the AuthorEd Rosenthal is the world’s leading cannabis horticulture authority, author, educator, and a pioneering legalization activist. As one of the cofounders of High Times Magazine, Ed writes the much loved and long-running cannabis column “Ask Ed,” which is published internationally. Ed Rosenthal’s *Marijuana Grower’s Handbook* has been the definitive resource for cannabis and hemp cultivation, inspiring growers, innovators, breeders,

and enthusiasts worldwide. Ed has advocated for cannabis law reform for over 50 years. He was a key member of the coalition that passed the world's first legalization laws in California in the 1990s and continues to advocate internationally. Ed resides in Oakland, California. Dr. Robert Flannery holds a Ph.D. from UC Davis in Plant Biology with an emphasis in Environmental Horticulture. He has specific expertise in hydroponic crop optimization for cut-flower production. He is the first person in the United States applying the technical training acquired through his doctoral degree to commercial cannabis cultivation. Dr. Flannery is CEO of Dr. Robb Farms, a premier California cannabis company with operations throughout the state. Angela Bacca is a writer, editor, and journalist who has covered cannabis cultivation, medicine, genomics, economics, politics, research, and culture in magazines and online. She has a BA in Journalism from San Francisco State University and an MBA from Mills College Lorry I. Lokey Graduate School of Business. Angela Bacca is the editor and project manager of Cannabis Grower's Handbook as well as of the 2010 edition of its forerunner, Ed Rosenthal's Marijuana Grower's Handbook.--This text refers to the paperback edition. Read more

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



## What people say about this book

Jackie, "Great, informative guide for beginners. I bought the cannabis Grower's handbook as a Xmas present for myself and I could not be happier. I live in California and I had my 1st outdoor grow this year. It was a lot of fun but I also ran into some serious problems - powdery mildew, bud rot and caterpillars. I was looking for a book that can help me to address these issues, but also allow me to grow as a gardener. I am the kind of person that really wants to understand what is happening and I love to learn. The first thing that was attractive to me was the fact that the book is super current. I noticed how much the science and technology has advanced in the last 5 of years and I was looking for a book that covers all those new techniques and improvements. I am planning to grow outdoors every season and I want to get a tent setup for indoors. So being able to get the best gear and information is super helpful. When I first picked the cultivars for my first grow I wasn't thinking about grow conditions. I was really just focused on strains that I liked. As it turned out that wasn't the best choice. The book really helped me to understand that I need to consider the grow environment so that my strains can perform best. That was a real eye opener. Another thing that I really like about the book is that it is really a step by step guide. I really did not know to much about the plant and it's needs and the book made it very easy for me to understand and learn. Ed Rosenthal seems to really understand how to explain growing to laypeople like me. There are no assumptions about previous knowledge - I think this book is great for beginners and professionals alike. One thing that I really enjoyed were the different garden profiles. You can literally pick one that seems to be closest to your personal needs and then adjust them. I am really curious about sustainable growing and the outdoor hügelkultur garden sounded super interesting. I will definitely try to implement some of the strategies next year. Since I live in California I also thought the dry farming method was really interesting. We do have a problem with droughts and I am trying to do my part to minimize water use. I can highly recommend this book to anyone who is interested in growing cannabis. It has answered a ton of my questions and I think it is a great investment. I lost a couple of plants last year that were really promising and I was totally bummed. I feel that all the new information that I got from this book will help me to become a better and more successful grower and that I will be able to avoid a bunch of mistakes next season."

Mark Mathew Braunstein, "An encyclopedic magnum opus. Call this the magnum opus of the widely acclaimed guru of cannabis cultivation. An encyclopedic tome, it is not one to be read leisurely from cover to cover, no more than you might read an entire volume of 20-volume encyclopedia. Rather, depending upon your immediate needs for information, you first consult the Table of Contents or the Index, and then read a passage here and another page there. This is the book's strength for the experienced home gardener or commercial large-scale cannabis cultivator, but it is also its weakness for the novice or the hobbyist. If you are a first- or second-time grower, do not buy this book. Not yet, anyway. Because you will not know where to start

reading, and then you will not know how to start growing. If you are interested in specifically growing autoflower cannabis, then I recommend Jeff Lowenfels' book, *DIY Autoflowering Cannabis* (see my review). If your interest is in growing indoors the more conventional larger strains, then Ed Rosenthal's unfortunately out-of-print 1999 book, *Closet Cultivator*, is perfect for beginners. Surely Ed has other startup books in print suitable for the neophyte, but I just do not know them well enough to be able to cite them. A half a year ago, I was about to order Ed's *Marijuana Grower's Handbook* until I noticed that publication was imminent for its updated and expanded and retitled edition, *Cannabis Grower's Handbook*. So for several months, I waited, eagerly. Judging from Ed's Instagram photos of him personally packaging advance book orders, many of Ed's acolytes eagerly awaited it, too. When my copy arrived this week of its publication, I sat down with it, perusing here, browsing there, skimming elsewhere. Just during the span of one hour, I came upon one mangled sentence structure and one typo, both on the same page. (Publisher, take note on page 551: "loses" for "looses, and the twisted syntax is found in the paragraph above that.) Apparently, with so many readers eagerly awaiting this tome, the publisher rushed its editing and copyediting. There is much here to like, maybe too much. And there are a few features here to dislike. Most egregious are the many glossy photos throughout the text of heavy equipment that would interest only cannabis corporations, not you and me. Other photos push specific products, making the book more akin to an infomercial. Worst of all are the 50 pages of glossy full-page advertisements relegated to the back of the book. (What!?! At the time of this writing during its first week of publication, all those ads are even included in the First Look here, but I suspect that will change.) Two or three pages of ads for the publisher's other related books are more traditionally found on the back pages, but these shameful ads mark a new low in book publishing. Ads in magazines subsidize the cost of the magazine, thereby reducing the price for you of the subscription or single copy. However, at a \$45 list price, no such subsidy for the reader was granted here. Those 50 pages of ads add much weight to an already heavy tome. Replacing those pages, the publisher should instead have enlarged the font size of the micro-type of the index, which would have been more reader-friendly. Of those 50 pages, seven pages are for seeds, and so are relevant to you and me. The other 43 pages are for industry insiders, as is half of the text of the book. I harvested my first two autoflower crops this past summer and this fall, moving the plants outdoors during the day, and indoors during the night. In preparation of my third crop that I plan to begin this spring, I will spend this winter reading some, surely not all, of this book. This book is a sound investment only after you've read two or three other how-to books, of which several are by Ed, and only after you've grown two or three crops. But this book is simply too overwhelming and mostly irrelevant for the total beginner."

Ben Dover, "An Incredible Resource. Horrible Order Fulfillment. This is an impressive work. If one were to master the material contained within, they would certainly possess the knowledge necessary to produce impressive results from their cultivation efforts. I highly recommend this book. Unfortunately my copy arrived in very poor condition. The front cover was bent and dinged,

and some of the pages were creased. This is absolutely unacceptable, and I will be contacted Amazon about it. However, I don't want to penalize the author(s), for Amazon's shoddy fulfillment practices, so I'm awarding the work a full five stars. If I could, I would award Amazon five kicks in the butt for allowing such poor fulfillment practices to continue unaddressed."

Kerry, "Everything you need/want to know. This is the most informative book or any other piece of reading material I have found about Cannabis. It's not just useful for growers, anyone interested in the history, genetics, growing, harvesting, and many other things should definitely read this book. Buy some page tabs as well if you cultivate."

Tequiwi Tony, "This is such a great source of information. Great up to date source of information by some of the best and most knowledgeable in the industry"

Sidney Weaver, "Great read. Great resource for all growers. If you need a guide then this is it. I enjoyed every minute of this book."

robert I warrington, "wealth of knowledge. great book, would buy again!!!!"

C G, "Great updated info.... This book has good NEW detailed information about growing top shelf cannabis...If you love growing you have to buy it."

Mark Bristow, "Wow, just wow.... Wow, so much information. A must have bible for growers!"

Marke Bodner, "Good beginner/intermediate book on Cannabis.. For the most part I liked this book. It starts out with brief overview of the history of Cannabis use and cultivation. Touched on basic plant biology and terminology. Lots of different authors with reputable credentials contributing articles/chapters of the book. Good info on growing in soil and soil biology, also has some info on hydroponics. One of the things I did not like were the advertisements included in the text of the book! first time I have ever seen adverts in a book. Kinda hokey but I just ignored them, so that is why the -1 star. Other than that a good read and good info. There is a lot of good information online about the latest LED grow lights and grow equipment (which changes rapidly) so the book doesn't go into intricate detail about which brands or set-ups but that is understandable as online is a better resource. Good book overall."

Natalya Landaverde, "Lo di de regalo y... Se lo di de regalo a alguien que quería éste libro, y le encanto! Las fotos no le hacen justicia porque esta bastante grande y grueso. Tiene muchísima información útil y casi casi es la "biblia". Lo mejor es que salió este año, entonces esta recién salido del horno."

Mario Eduardo Garcia Cordero, "El libro es una joyita.. En esta edicion encontrarás toda la



información que se requiere para tener un año estupendo en cosechas. Tecnicismos y conocimiento sobre botanica no requerido. Ingles de cajón. Una estupenda compra si estas biscando ampliar tu jardín.”

[DMCA](#)