

## Raise Red Worms Article

The book that started a backyard worm revolution! With more than 150,000 copies sold, this is the bestselling and remains the definitive guide to vermicomposting--a process using red worms to recycle human food waste into nutrient-rich fertilizer for plants. Author Mary Appelhof provides complete illustrated instructions on setting up and maintaining small-scale worm composting systems. Internationally recognized as an authority on vermicomposting, Appelhof worked with worms for over three decades. Topics include: bin types, worm species, reproduction, care and feeding of worms, harvesting, and how to make the finished product of potting soil.

What would it take to grow mushrooms in space? How can mushroom cultivation help us manage, or at least make use of, invasive species such as kudzu and water hyacinth and thereby reduce dependence on herbicides? Is it possible to develop a low-cost and easy-to-implement mushroom-growing kit that would provide high-quality edible protein and bioremediation in the wake of a natural disaster? How can we advance our understanding of morel cultivation so that growers stand a better chance of success? For more than twenty years, mycology expert Tradd Cotter has been pondering these questions and conducting trials in search of the answers. In *Organic Mushroom Farming and Mycoremediation*, Cotter not only offers readers an in-depth exploration of best organic mushroom cultivation practices; he shares the results of his groundbreaking research and offers myriad ways to apply your cultivation skills and further incorporate mushrooms into your life—whether your goal is to help your community clean up industrial pollution or simply to settle down at the end of the day with a cold Reishi-infused homebrew ale. The book first guides readers through an in-depth exploration of indoor and outdoor cultivation. Covered skills range from integrating wood-chip beds spawned with king stropharia into your garden and building a “trenched raft” of hardwood logs plugged with shiitake spawn to producing oysters indoors on spent coffee grounds in a 4×4 space or on pasteurized sawdust in vertical plastic columns. For those who aspire to the self-sufficiency gained by generating and expanding spawn rather than purchasing it, Cotter offers in-depth coverage of lab techniques, including low-cost alternatives that make use of existing infrastructure and materials. Cotter also reports his groundbreaking research cultivating morels both indoors and out, “training” mycelium to respond to specific contaminants, and perpetuating spawn on cardboard without the use of electricity. Readers will discover information on making tinctures, powders, and mushroom-infused honey; making an antibacterial mushroom cutting board; and growing mushrooms on your old denim jeans. Geared toward readers who want to grow mushrooms without the use of pesticides, Cotter takes “organic” one step further by introducing an entirely new way of thinking—one that looks at the potential to grow mushrooms on just about anything, just about anywhere, and by anyone.

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Earthworms, Organic Wastes, and Environmental Management

Affordable Ways to Make Money with Earthworms

Harnessing the Awesome Power of Worms with Vermiculture and Vermicomposting

The Worm Farming Revolution

Commercial Vermiculture

Since the publication of the highly-successful first edition of *Earthworm Ecology*, there were two international symposia and an increased number of publications on the subject, demanding a revision of the book that addresses the most rapidly developing areas of earthworm research.

*Earthworm Ecology, Second Edition* updates the most comprehens

Techniques and systems for processing food scraps, manure, yard debris, paper, and more Turning waste into wealth sounds too good to be true, but many worm farmers are finding that vermicomposting is a reliable way to do just that. Vermicast--a biologically active, nutrient-rich mix of earthworm castings and decomposed organic matter--sells for \$400 or more per cubic yard. Compare that to regular compost, sold at about \$30 a cubic yard, and you'll see why vermicomposting has taken root in most countries and on every continent but Antarctica.

Vermicomposting is also one of the best sustainable solutions for organic waste management.

Vermicomposting manure and crop wastes on farms improves crop yields while reducing demand for off-farm inputs. Vermicast has higher nutrient levels and lower soluble salt content than regular compost, and it improves soil aeration, porosity, and water retention. Plus, vermicast suppresses plant diseases and insect attacks. Municipalities, businesses, community gardens, schools, and universities can set up vermicomposting operations to process food residuals and other waste materials. *The Worm Farmer's Handbook* details the ins and outs of vermicomposting for mid- to large-scale operations, including how to recycle organic materials ranging from food wastes and yard trimmings to manure and shredded office paper. Vermicomposting expert Rhonda Sherman shares what she has learned over twenty-five years working with commercial worm growers and researchers around the world. Her profiles of successful worm growers across the United States and from New Zealand to the Middle East and Europe describe their proven methods and systems. This book digs into all the details, including: Choosing the right production system Regulatory issues and developing a business and marketing plan Finding and managing feedstocks Pre-composting: why and how to do it Monitoring an active worm bed Harvesting, screening, testing, packaging, and storing vermicast Markets for earthworms and vermicast Food security: how vermicast benefits soils and plants Keys to success: avoiding common pitfalls From livestock farms and restaurants to colleges, military bases, and prisons, Sherman details why and how commercial-scale vermicomposting is a fast-growing, sustainable solution for organic waste management. *The Worm Farmer's Handbook* is the first and only authoritative how-to guide that goes beyond small-scale operations and demystifies the science and logistics of the fascinating process that is vermicomposting.

COMPOSTING YOUR KITCHEN WASTE AND NEWSPAPER WITH EARTHWORMS IS EASY AND FUN. MORE IMPORTANTLY IT IS THE ENVIRONMENTALLY CORRECT THING TO DO -TURN YOUR HOUSE HOLD WASTE INTO VALUABLE ORGANIC

FERTILIZERS. -TURN YOUR HOBBY INTO A MONEY MAKING OPERATION -LEARN A SURE FIRE WAY TO SELL THOSE WORMS -DO YOUR PART TO SAVE THE ENVIRONMENT -START ON A SHOE STRING GET THOSE WORMS FOR FREE!  
The amount of quality information in this book is astonishing.. - Andy Robins There never was an easier more satisfying way to supplement your income, Doc tells you how to do it.. J. Smith  
Everyone should be doing this... - Cherry Littlefield

Worms at Work

Composting in the Classroom

Growbox

The Prairie Homestead Cookbook

Vermiculture Technology

Back-to-basics gardening that will benefit the earth and your wallet! Want to use ordinary waste to create an extraordinary garden? Composting lets you turn household food waste, yard clippings, and more into free compost and mulch that's chock-full of nutrients. From building and working with traditional compost bins to starting an indoor worm-composting operation, *Composting For Dummies* makes these often intimidating projects easy, fun, and accessible for anyone! Digging into compost basics — get a handle on the benefits of composting and the tools you'll need to get started Choosing the best method and location — find the best composting method and location that's right for you, whether it's above ground, in a hole, in a container or bin, or even right in your kitchen Building your pile — learn which ingredients can go into your compost pile, what stays out, and how to mix it all up in the right proportions Stepping beyond traditional composting — get the lowdown on vermicomposting (letting worms eat your garbage), growing green manures to compost later, and sheet composting in the same spot you plan to plant Open the book and find: A step-by-step guide to composting The right gear and tools for the job Tips on constructing your own composting containers and bins Materials you can safely compost (and those to avoid) Cover crops to improve your soil now and compost later Recommendations for using your finished compost What worms contribute to your compost Troubleshooting advice if your compost pile isn't cooperating Learn to: Turn household food waste, yard clippings, and more into nutrient-rich compost Build and maintain your own compost bin Use worms to aid in composting, both indoors and out Give your vegetable and flower gardens a boost of energy

Winner of the Best Book Award in the 2009 Garden Writers Association Media Awards Named an "Outstanding Title" in University Press Books for Public and Secondary School Libraries, 2009 In this introduction to sustainable landscaping practices, Linda Chalker-Scott addresses the most common myths and misconceptions that plague home gardeners and horticultural professionals. Chalker-Scott offers invaluable advice to gardeners gardeners who have wondered: Are native plants the best choice for sustainable landscaping? Should you avoid disturbing the root ball when planting? Are organic products better or safer than synthetic ones? What is the best way to control weeds-fabric or mulch? Does giving vitamins to plants stimulate growth? Are compost teas effective in controlling diseases? When is the best time to water in hot weather? If you pay more, do you get a higher-quality plant? How can you differentiate good advice from bad advice? The answers may surprise you. In her more than twenty years as a university researcher and educator in the field of plant physiology, Linda Chalker-Scott has discovered a number of so-called truths that originated in traditional agriculture and that have been applied to urban horticulture, in many cases damaging both plant and environmental health. *The Informed Gardener* is based on basic and applied research from university faculty and landscape professionals, originally published in peer-reviewed journals. After reading this book, you will: Understand your landscape or garden plants as components of a living system Save time (by not overdoing soil preparation, weeding, pruning, staking, or replacing plants that have died before their time) Save money (by avoiding worthless or harmful garden products, and producing healthier, longer-lived plants) Reduce use of fertilizers and pesticides Assess marketing claims objectively This book will be of interest to landscape architects, nursery and landscape professionals, urban foresters, arborists, certified professional horticulturists, and home gardeners. For more information go to: <http://www.theinformedgardener.com>

*The Worm Farmer's Handbook* Mid- to Large-Scale Vermicomposting for Farms, Businesses, Municipalities, Schools, and Institutions Chelsea Green Publishing

Popular Science

Worms Eat My Garbage

A Return to the Founding Principles of Successful Gardening

The Complete Idiot's Guide to Composting

**The Worm Farming Revolution** Book teaches you everything you need to know about raising worms in order to grow amazing plants, recycle kitchen scraps, or grow your own fishing worms. It's a Return to the Founding Principles of Successful Gardening and an almost lost art our forefathers past down to us. Just because our technology changes and our knowledge increases doesn't mean that we have to invent something that's completely opposite of what the Creator showed us. A new way of feeding millions of people doesn't have to oppose nature, but should work with nature. I show you how to harness and multiply the power of a tiny organism that corporations and many people have become disconnected

with. We have gone down a dark agricultural road with too few exits to get us back in the right direction. The technology of today combined with the proven methods of the past is where science should have lead us. But where "scientists" have failed, there has been a revolt. Not in a new way, but the reviving of a forgotten way. If you've never heard of the term "Worm Farming" then it may seem like a silly, eccentric hobby created to study the natural habits of worms. Well that may be true to some degree, but the truth, meaning, and reason behind this quirky little phrase may be one of the greatest yet simplest technological awakenings to hit the agricultural industry since the invention of, what I call, the world's most "successful failures.."synthetic fertilizers. No matter what gardening method you use, the fact is, you WILL need worm castings (worm poop) in order to give plants the proper food they were created to feed on. Worm castings are as natural to plants as breast milk to a new born baby. This is one of the reasons why worms are found moving in and out of the root systems of plants. They deposit the rich, microbial fertilizer that plants depend on for optimal health. This book teaches you how to grow your plants by, FIRST, growing your soil. You'll learn everything you

Jill Winger, creator of the award-winning blog The Prairie Homestead, introduces her debut The Prairie Homestead Cookbook, including 100+ delicious, wholesome recipes made with fresh ingredients to bring the flavors and spirit of homestead cooking to any kitchen table. With a foreword by bestselling author Joel Salatin The Pioneer Woman Cooks meets 100 Days of Real Food, on the Wyoming prairie. While Jill produces much of her own food on her Wyoming ranch, you don't have to grow all—or even any—of your own food to cook and eat like a homesteader. Jill teaches people how to make delicious traditional American comfort food recipes with whole ingredients and shows that you don't have to use obscure items to enjoy this lifestyle. And as a busy mother of three, Jill knows how to make recipes easy and delicious for all ages. "Jill takes you on an insightful and delicious journey of becoming a homesteader. This book is packed with so much easy to follow, practical, hands-on information about steps you can take towards integrating homesteading into your life. It is packed full of exciting and mouth-watering recipes and heartwarming stories of her unique adventure into homesteading. These recipes are ones I know I will be using regularly in my kitchen." - Eve Kilcher These 109 recipes include her family's favorites, with maple-glazed pork chops, butternut Alfredo pasta, and browned butter skillet corn. Jill also shares 17 bonus recipes for homemade sauces, salt rubs, sour cream, and the like—staples that many people are surprised to learn you can make yourself. Beyond these recipes, The Prairie Homestead Cookbook shares the tools and tips Jill has learned from life on the homestead, like how to churn your own butter, feed a family on a budget, and experience all the fulfilling satisfaction of a DIY lifestyle.

If you want to grow healthy vegetables at home, but have hesitated because it seems too hard and time consuming, Organic Gardening for Everyone is your perfect hands-on guide—an "if I can do it, you can do it" case study that addresses your concerns and gets you started. Loaded with practical advice and step-by-step guidance, Organic Gardening for Everyone takes a very personal and friendly approach to a subject that can be intimidating. It is a first-class primer on organic vegetable gardening, and an inspirational story about how anyone can balance the rigors of gardening with the demands of a modern, family-oriented lifestyle. In 2012, a California mom decided to start an organic vegetable garden. But she went about it in an unusual way: she crowdsourced it by launching a YouTube channel under the name "CaliKim" and asking for help. And then she started planting. As questions came up, she turned to her viewers and subscribers and they replied with answers and advice. As she learned, her garden grew successfully—even in the hot, harsh California climate. Her expertise also grew, and now she answers many more questions than she asks and has become a very accomplished home gardener. And CaliKim has a great story to tell: growing healthy organic vegetables for your family is not difficult, even for today's time-challenged lifestyles. She provides complete step-by-step information on growing the most popular edibles organically, and also gives sound advice on how to take on the challenges of balancing a hectic lifestyle with successful growing—and how to involve the whole family in the process. You'll be rewarded for your effort every time you place a plate of natural, organic vegetables on the family dinner table knowing exactly what they are, what is in them, and where they came from.

How to Set Up and Maintain a Worm Composting System

Mid- to Large-Scale Vermicomposting for Farms, Businesses, Municipalities, Schools, and Institutions

Modern Solutions for Busy People

The Easy No-Dig Garden

Raising Earthworms for Fun and Profit

**How to set up and maintain a worm composting system.**

**Reduce your lawn and your grocery budget. Take gardening to the next level! Would you like to grow healthy food for your table? Do you want to learn the secrets of farming even though you live in a neighborhood? Author Amy Stross talks straight about why the suburbs might be the ideal place for a small farm. In these pages you'll learn: How to make your landscape as productive as it is beautiful Why the suburbs are primed with food-growing potential How to choose the best crops for success Why you don't need the perfect yard to have a micro-farm How to use easy permaculture techniques for abundant harvests If you're ready to create a beautiful, edible yard, this book is for you. The Suburban Micro-Farm will show you how to grow your own fruits, herbs, and vegetables even on a limited schedule. From seed to harvest, this book will keep you on track so you feel a sense of accomplishment for your efforts. You'll learn gardening**

**tricks that are essential to success, like how to deal with a 'brown thumb', how to develop and nurture healthy soil, and how to manage garden pests. Although this book has everything a new gardener needs to get started, experienced gardeners will not be disappointed. With helpful tips throughout, you will love the in-depth chapters about permaculture and making money on the micro-farm.**

**A comprehensive resource book on worm growing and worm composting.**

**Simple to Advanced and Experimental Techniques for Indoor and Outdoor Cultivation**

**Composting with Worms**

**Simple Recipes for Heritage Cooking in Any Kitchen**

**Turn Your Organic Waste Material into Black Gold**

**The Worm Farmer's Handbook**

Waste not, want not. The Complete Idiot's Guide® to Composting takes readers step by step through the process of selecting the right compost container, filling it with the right "ingredients," maintaining the mix at the right temperature and humidity, and using the end product. ?A concise format, simplified approach, and thrift-conscious price ? Author is a Master Gardener and an expert on all forms of composting ?Gardening has risen greatly in popularity in the last few years, with an added boost from first lady Michelle Obama, and so has composting, which is cheap, effective, and environmentally friendly ?Thousands of state, regional, and municipal programs have been developed to encourage composting and thus reduce landfill waste

"A multi-million dollar market, earthworms for bait, earthworms for breeding stock, earthworms for soil improvement. Fertilize your garden naturally--a guide to growing your plants in healthy, happy soil People want to know where their food comes from, who grows it and how it is grown. Interest in permaculture, backyard composting, and gardening in general, is growing. So how does the budding gardener ensure that his soil is healthy and nutrient-rich enough to support all the produce he intends to grow? Here's a hint--think worms! Vermiculture is the healthiest and most cost-effective way to ensure that your soil receives the nourishment that it needs. A simple vermicompost bin can produce the completely natural, nutrient-rich fertilizer that can be used to boost soil health and, in turn, increase your crop yield. In true Crystal Stevens' fashion, Worms at Work is a practical, easy-to-implement guide to fertilizing your garden naturally. It discusses the vital role worms play in boosting soil health, and the reasons why every gardener should use vermicompost in order to decrease reliance on toxic synthetic fertilizers. Coverage includes: • Simple designs to build your own vermicompost bin • Caring for your worms • Garden applications for your worm castings • Lesson plans to incorporate vermicomposting into the school science curriculum Whether you're tending to a small backyard garden or managing a large farm, Worms at Work can show you how to start vermicomposting today in order to grow healthy plants in healthy, happy soil. Crystal Stevens is the author of Grow Create Inspire and has been co-manager of La Vista CSA Farm for the past 7 years. She teaches regular Vermiculture 101 workshops.

Composting For Dummies

Raising Earthworms for Profit

Organic Mushroom Farming and Mycoremediation

Organic Gardening for Everyone

A Vermicomposting Guide for Teachers

Growboxes solve so many gardening challenges when it comes to growing and producing food in difficult places. They can even be used on a balcony, small courtyard, or in places that flood during heavy rains. Are you tired of battling the weeds, ants, nematodes, and not having enough organic matter in your soils to grow vegetables that thrive? Do you live on a sandbar, in the desert, in a flood zone, or want to grow herbs or veggies but you live a transient lifestyle or in an apartment? Do you work long hours and don't have enough time or space for a raised bed garden? Then the Growbox may be the answer for you. Easy to make with a few tools, the Growbox contains all the water and nutrients that a veggie plant wants, when it wants it. They are portable which means you can move them. Easily made from containers and supplies you can purchase from local stores, the Growbox is the answer to growing veggies in your suburban yard without having to dig it up. Conserve water, nutrients, and a lot of your energy, and save money too! Bonus section includes instructions for building Worm Composters, using the same tool set, and instructions on how to raise Red Wiggler composting worms. Red Wigglers make the best compost in the least amount of time.

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

Dr. Merrill has written numerous books and novels. In this book the author shares his extensive experience in vermiculture and his lifelong passion for organic gardening with the reader. We believe this to be the most comprehensive book ever written on earthworm farming and organic gardening. Dr. Merrill tells you how to raise earthworms, what to feed composting earthworms and how to harvest and process the valuable worm castings your earthworms will produce. You dont have to invest a lot of money on worms or expensive bins to compost your kitchen waste and newspapers at home. You may be surprised to learn that you can get started for less than the cost of a couple of cups of coffee at Starbucks. In fact, you dont have to spend a dime on earthworms Dr. Merrill tells you where to get them for free. Yes, for free and your initial worm bins can be purchased from any hardware store for less than \$10.00! For those who are interested in a larger commercial worm farming operation, the author tells you how to achieve your goal, again, at far less expense than you might expect. As Dr. Merrill says You dont have to invest thousands of dollars on worms and expensive equipment to make a lot of money in an earthworm farming business.

Field & Stream

Earthworm Ecology

How to Build a Thriving Business in Redworms

The Worm Guide

Garden Myths

*FIELD & STREAM, America's largest outdoor sports magazine, celebrates the outdoor experience with great stories, compelling photography, and sound advice while honoring the traditions*

hunters and fishermen have passed down for generations.

This book will teach you in easy to follow steps all you need to know to make money with earthworms. Whether you just want to make some pocket money selling bait worms to keen fishermen or want to become your own boss and create a full time income, you will learn proven low cost methods to start a profitable worm business and make your mark in the constantly growing market of the worm farming industry. If you are looking for a way to create extra income from home, using very little space and just a tiny investment then worm composting could be the right thing for you. Raising earthworms and making money with them is fun and can be done by virtually anyone! No special skills required! Follow the guidelines given in this book and raise and multiply earthworms easily. With a small investment and a little effort you, with the help of your worms, will be able to produce and sell several products that are environmentally friendly and beneficial for a wide variety of people. Amongst your future customers could be nurseries, gardeners, pet shops, garden centers, pet lovers, property developers, fishing clubs, hotels, guest houses, restaurants, private households, dog owners, horse stables, farmers, schools, universities and many more... Everything you need to know to create an income with earthworms has been tried and tested by the author and is covered in this book! Detailed instructions make it easy to multiply your worms and produce your own range of worm bins, organic fertilizers and soil conditioners that you can market to your future customers. Act now, start your own environmentally friendly business from home and step forward into a brighter future

Promote inquiry-based learning and environmental responsibility at the same time. Composting in the Classroom is your comprehensive guide offering descriptions of a range of composting mechanisms, from tabletop soda bottles to outdoor bins. Activities vary in complexity -- you can use this as a whole unit, or pick and choose individual activities.

The Guide to Making and Using Self-Watering Containers

The Informed Gardener

The Practical Magazine

Scientific Inquiry for High School Students

The Complete Guide to Successful Composting with Red Wiggler Earthworms

**Garden Myths examines over 120 horticultural urban legends. Turning wisdom on its head, Robert Pavlis dives deep into traditional garden advice and debunks the myths and misconceptions that abound. He asks critical questions and uses science-based information to understand plants and their environment. Armed with the truth, Robert then turns this knowledge into easy-to-follow advice. - Is fall the best time to clean the garden? - Do bloom boosters work?- Will citronella plants reduce mosquitoes in the garden?- Do pine needles acidify soil?- Should tomatoes be suckered?- Should trees be staked at planting time? - Can burlap keep your trees warm in winter?- Will a pebble tray increase humidity for houseplants? "Garden Myths is a must-read for anyone who wants to use environmentally sound practices. This fascinating and informative book will help you understand plants better, reduce unnecessary work, convince you to buy fewer products and help you enjoy gardening more."**

**Co-edited by international earthworm expert Clive A. Edwards, Vermiculture Technology: Earthworms, Organic Wastes, and Environmental Management is the first international, comprehensive, and definitive work on how earthworms and microorganisms interact to break down organic wastes on a commercial basis. Many books cover the importance of composting**

**How to Start a Profitable Worm Business on a Shoestring Budget**

**The Suburban Micro-farm**

**The Earthworm Farmer'S Bible**

**Homegrown Vegetables Made Easy (No Experience Required)**

**The Complete Guide to Worms in Your Garden**