

Botany For Gardeners 3rd Edition

The Fundamentals of Horticulture
The Brother Gardeners
Fine Gardening Pocket Gardens
Plant Systematics
Principles of Horticulture: Level 3
Seed to Seed
Botany For Dummies
Plant Names
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Botany for Beginners: An Introduction to the Study of Plants
RHS The Secrets of Great Botanists
The Essential Garden Design Workbook
Botany for Gardeners
Handbook of Poisonous and Injurious Plants
Plant Families
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Colonial Botany
How Plants Work
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Science and the Garden
Botany
Plant Names Simplified
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What's Wrong With My Houseplant?
Science and the Garden
Guide to Pruning
A Gardener's Latin
Gardening with Native Plants of the Pacific Northwest
The New Gardener's Handbook

The Fundamentals of Horticulture

Plant Systematics, Third Edition, has made substantial contributions to plant systematics courses at the upper-undergraduate and first year graduate level, with

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the first edition winning The New York Botanical Garden's Henry Allan Gleason Award for outstanding recent publication in plant taxonomy, plant ecology or plant geography. This third edition continues to provide the basis for teaching an introduction to the morphology, evolution and classification of land plants. A foundation of the approach, methods, research goals, evidence and terminology of plant systematics are presented, along with the most recent knowledge of evolutionary relationships of plants and practical information vital to the field. In this new edition, the author includes greatly expanded treatments on families of flowering plants, as well as tropical trees (all with full-color plates), and an updated explanation of maximum likelihood and Bayesian inference algorithms. Chapters on morphology and plant nomenclature have also been enhanced with new material. Covers research developments in plant molecular biology Features clear, detailed cladograms, drawings and photos Includes major revisions to chapters on phylogenetic systematics and plant morphology

The Brother Gardeners

"Plant Names" is a plain English guide to the use of plant names and the conventions for writing them as governed by the International Code of Nomenclature for algae, fungi, and plants and the International Code of Nomenclature for Cultivated Plants. It covers the naming of wild plants, plants modified by humans, why plant names change, their pronunciation and hints to help remember them. The final section

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provides a detailed guide to web sites and published resources useful to people using plant names.

Fine Gardening Pocket Gardens

"Dahlia, dah-le-a; is named after Andreas Dahl, a Swedish botanist and pupil of Linnaeus This glossary contains well over a thousand entries similar like this one, the aim of the authors being to remove the 'awkward obstacle' that these names can present. It is suitable for the gardener and plant lover"--Publisher's description.

Plant Systematics

Presents an introduction to the science of botany written specifically for gardeners and horticulturists, focusing on flowering plants or angiosperms, the largest group in the plant kingdom, and gymnosperms, plants that produce seeds in the open spaces of cones.

Principles of Horticulture: Level 3

Essential reading for all studying horticulture and keen gardeners. This clear introduction to the principles underlying the practical applications of horticulture

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opens up the excitement of growing plants and garden development, without readers having to wade through complex information. Full-colour images tied closely to the text and practical case study boxes inspire readers by making topics relevant to their own horticultural experiences. Written by a team of highly motivated and experienced horticultural tutors, the text supports the newly restructured RHS Level 2 qualifications, with related Level 3 topics in boxes and signposting to Level 4 topics, together with other horticultural qualifications at these levels.

Seed to Seed

An updated edition of the illustrated guide to pruning is organized around common types of plants, including evergreen and deciduous shrubs, bamboos and tea roses, rhododendrons, camellia wisteria and other vines, and tree species from dogwoods to weeping cherries.

Botany For Dummies

Principles of Horticulture, Second Edition covers the various topics concerning plant cultivation for agricultural use. The book is comprised of 17 chapters that tackle the various areas of concerns in horticulture. The coverage of the text includes the nurturing aspects of horticulture, including growth and development, genetics and

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breeding, and nutrition. The book also covers the various threats and problems encountered by horticulturists, such as pests, weeds, and harmful microorganisms. The text will be of great use to researchers and practitioners of plant-related fields, such as botany, agriculture, and particularly horticulture.

Plant Names

Every gardener needs to know their Latin names. They may look confusing at first, but once you understand what certain key words mean, impenetrable-sounding and hard-to-pronounce species names are suddenly demystified. Many Latin names hide the secrets of where the plant is found, its colour, flowering times, leaf pattern, natural habitat and all sorts of other information that's extremely useful to the gardener: if you want a plant for a shady place, choose one with a name ending in *sylvestris* ('of woods'), while if your garden is dry, look out for the suffix *epigeios* ('of dry places'). More than just a dictionary of plant names, this fascinating book explains the meaning of hundreds of Latin plant terms, grouped into handily themed sections such as plants that are named after famous women, plants that are named after the shape of their leaves, plants that are named after their fragrance or the time of year that they flower. Within these pages you'll learn that *Digitalis purpurea* (the common foxglove) is purple, that the *sanguineum* in *Geranium sanguineum* means 'bloody' (its common name is the bloody cranesbill), and to steer clear of any plant whose Latin name ends in *infestus*.

Latin for Gardeners

Plant Survival

In the early modern world, botany was big science and big business, critical to Europe's national and trade ambitions. Tracing the dynamic relationships among plants, peoples, states, and economies over the course of three centuries, this collection of essays offers a lively challenge to a historiography that has emphasized the rise of modern botany as a story of taxonomies and "pure" systems of classification. Charting a new map of botany along colonial coordinates, reaching from Europe to the New World, India, Asia, and other points on the globe, Colonial Botany explores how the study, naming, cultivation, and marketing of rare and beautiful plants resulted from and shaped European voyages, conquests, global trade, and scientific exploration. From the earliest voyages of discovery, naturalists sought profitable plants for king and country, personal and corporate gain. Costly spices and valuable medicinal plants such as nutmeg, tobacco, sugar, Peruvian bark, peppers, cloves, cinnamon, and tea ranked prominently among the motivations for European voyages of discovery. At the same time, colonial profits depended largely on natural historical exploration and the precise identification and effective cultivation of profitable plants. This volume breaks new ground by treating the development of the

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science of botany in its colonial context and situating the early modern exploration of the plant world at the volatile nexus of science, commerce, and state politics. Written by scholars as international as their subjects, Colonial Botany uncovers an emerging cultural history of plants and botanical practices in Europe and its possessions.

The Foundations of Bonsai

Name That Flower is a valued source of clear and concise information on identifying flowering plants from around the world, both cultivated and in the wild. This edition is updated to align with current systems of plant classification that incorporate advances in molecular DNA analysis. It includes more than 130 detailed line drawings, 64 colour pages and information on 46 plant families. The illustrations depict a selection of widely distributed gardens plants and weeds, and species native in eastern and southeastern Australia. Easily navigated, the book facilitates the successful use of standard identification manuals and online resources available in most parts of the world and introduces the reader to the arrangement of flowers on plants, reproduction, plant structure and function, and the way species are grouped and named. Methods for dissecting flowers and observing their structure for identification purposes are clearly described. This bestseller is used extensively as a teaching text in numerous courses concerned with the natural world, such as agriculture, horticulture, botany, environmental management and landscape design, as well as botanical art. It is an essential reference for serious gardeners and keen

botanists, professional and amateur.

Botany for Beginners: An Introduction to the Study of Plants

Since Latin became the standard language for plant naming in the eighteenth century, it has been intrinsically linked with botany. And while mastery of the classical language may not be a prerequisite for tending perennials, all gardeners stand to benefit from learning a bit of Latin and its conventions in the field. Without it, they might buy a *Hellebores foetidus* and be unprepared for its fetid smell, or a *Potentilla reptans* with the expectation that it will stand straight as a sentinel rather than creep along the ground. An essential addition to the gardener's library, this colorful, fully illustrated book details the history of naming plants, provides an overview of Latin naming conventions, and offers guidelines for pronunciation. Readers will learn to identify Latin terms that indicate the provenance of a given plant and provide clues to its color, shape, fragrance, taste, behavior, functions, and more. Full of expert instruction and practical guidance, *Latin for Gardeners* will allow novices and green thumbs alike to better appreciate the seemingly esoteric names behind the plants they work with, and to expertly converse with fellow enthusiasts. Soon they will realize that having a basic understanding of Latin before trips to the nursery or botanic garden is like possessing some knowledge of French before traveling to Paris; it enriches the whole experience.

RHS The Secrets of Great Botanists

For anyone looking for a deeper appreciation of the wonderful world of plants! Gardeners are inherently curious. They make note of a plant label in a botanical garden and then go home to learn more. They pick up fallen blossoms to examine them closer. They spend hours reading plant catalogs. But they are often unable to accurately name or describe their discoveries. A Botanist ' s Vocabulary gives gardeners and naturalists a better understanding of what they see and a way to categorize and organize the natural world in which they are so intimately involved. Through concise definitions and detailed black and white illustrations, it defines 1300 words commonly used by botanists, naturalists, and gardeners to describe plants.

The Essential Garden Design Workbook

Completely revised and expanded, Pests of Landscape Trees and Shrubs, 3rd Edition, is a comprehensive, how-to integrated pest management (IPM) resource for landscapers, arborists, home gardeners, retailers, and parks and grounds managers. This easy-to-use guide covers hundreds of insects, mites, nematodes, plant diseases, and weeds that can damage California landscapes. The book's 435 pages present the practical experience and research-based advice of more than 100 University of California (UC) and industry experts, including:

- Pest-resistant plants and

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landscape design • Planting, irrigating, and other cultural practices that keep plants healthy • Conserving natural enemies to biologically control pests • Efficient monitoring so you know when to act • Selective pesticides and when their use may be warranted • Numerous references to regularly-updated, online guides with more pesticide choices and the latest IPM practices Inside you'll find: • 575 high-quality, color photographs to help you recognize the causes of plant damage and identify pests and their natural enemies. 140 more than the previous edition! • 101 line drawings and charts of pest biology and control techniques • Problem-solving tables to help you diagnose the pests and maladies of more than 200 genera of alphabetically-listed trees and shrubs Also in the 3rd Edition are dozens of newly added pests, including those affecting azaleas, camellias, hibiscus, camphor, eucalyptus, liquidambar, oaks, maples, palms, pines, olive, roses, and sycamores.

Botany for Gardeners

Surviving Competition in a Tropical Rain Forest-Surviving Summers in a Desert-Surviving in Water.

Handbook of Poisonous and Injurious Plants

This is a discovery book about plants. It is for students In the first section,

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introduction to plants, there are sev of botany and botanical illustration and everyone inter eral sources for various types of drawings. Hypotheti ested in plants. Here is an opportunity to browse and cal diagrams show cells, organelles, chromosomes, the choose subjects of personal inter. est, to see and learn plant body indicating tissue systems and experiments about plants as they are described. By adding color to with plants, and flower placentation and reproductive the drawings, plant structures become more apparent structures. For example, there is no average or stan and show how they function in life. The color code dard-looking flower; so to clearly show the parts of a clues tell how to color for definition and an illusion of flower (see 27), a diagram shows a stretched out and depth. For more information, the text explains the illus exaggerated version of a pink (Dianthus) flower (see trations. The size of the drawings in relation to the true 87). A basswood (Tifia) flower is the basis for diagrams size of the structures is indicated by X 1 (the same size) of flower types and ovary positions (see 28). Another to X 3000 (enlargement from true size) and X n/n source for drawings is the use of prepared microscope (reduction from true size). slides of actual plant tissues.

Plant Families

This book will turn even the brownest thumbs green! Houseplants add style, clean the air, and bring nature indoors. But they are often plagued with problems—aphids, mealybugs, mites, and thrips to name just a few. What ' s Wrong With My Houseplant?

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shows you how to keep indoor plants healthy by first teaching you how to identify the problem and solve it with a safe, natural solution. This hardworking guide includes plant profiles for 148 plants organized by type with visual keys to the most of common problems, and the related organic solutions that will lead to a healthy plant.

The Science of Gardening

"The language is straightforward, the concepts well presented, and the information proffered in terms that will make sense to hands-on gardeners." ---Horticulture What happens inside a seed after it is planted? How do plants reproduce and grow? What roles do minerals, air, and light play in the life of a plant? Still the most complete, compact, accessible introduction to the world of botany, this third edition includes dazzling electron microscope photos and even more amazing facts about plants. From plant anatomy to basic genetics, this marvelous book explains the science of plants in plain language anyone can understand.

Practical Botany for Gardeners

Over 3,000 botanical terms explored and explained. An accessible, informative, and beautifully illustrated guide to the mysteries of botanical terms and the science of

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plants.

Stearn's Dictionary of Plant Names for Gardeners

Stearn's classic dictionary of the meaning and origin of some 6,000 botanical names

Name that Flower: The Identification of Flowering Plants: 3rd Edition

Offers easy planting solutions for creating small gardens, from high-yielding, small-space vegetable gardens to decorative small-spaces that appear larger than they are by making the best use of the landscape.

Principles of Horticulture

The Essential Garden Design Workbook guides the reader through every stage of planning a garden — how to survey a site, how to choose landscaping materials, and how to develop planting schemes. This fully revised and updated second edition features new U.S. case studies and new photographs. Valuable tips on green gardening are new to this edition, and include how to harvest rainwater, how to design a green roof, tips on sustainable planting, and a guide to composting. Tailor-made for hands-on gardeners, the workbook approach is accessible, practical, and can

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be used to create a garden from scratch and to redesign an existing garden. Gardeners will find easy ways to measure large spaces, estimate the height of a tree, and find the right proportions for a deck. They'll also find tips on space, light, and color. Includes hundreds of easy-to-follow line drawings and diagrams.

Botany Illustrated

A complete seed-saving guide of 160 vegetables, including detailed info on each vegetable.

Pests of Landscape Trees and Shrubs, Third Edition

Plants play a critical role in how we experience our environment. They create calming green spaces, provide oxygen for us to breathe, and nourish our senses. In *The Nature of Plants*, ecologist and nursery owner Craig Huegel demystifies the complex lives of plants and provides readers with an elucidating journey into their inner and outer workings. Beginning with the importance of light, water, and soil, Huegel describes photosynthesis, plant circadian rhythms, and how best to position plants to receive optimal sunlight. He explains choosing artificial lights for landscaping, giving lucky bamboo its twisted shape, and tricking flowers like poinsettias to bloom at a specific time of year. He reveals how plants use water, what

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paths it takes to move nutrients and fuel growth, and why too much--or too little--can hurt. He also explains what essential elements plants need to flourish and what friendly bacteria, fungi, and insects help make a healthy soil. Sections on plant structure and reproduction focus in detail on major plant organs--roots, stems, and leaves--and cover flowering, pollination, fruit development, and seed germination. The intricacies behind how plants reproduce are unraveled, including why not all flowering plants need pollinators, how it can take decades for some plants to produce offspring, and whether parents recognize their kin. Huegel even delves into the mysterious world of plant communication, exploring the messages and warnings conveyed to animals or other plants through chemical scents and hormones. With color illustrations, photographs, and real-life examples from his own gardening experiences, Huegel equips budding botanists, ecologists, and even the most novice gardeners with knowledge that will help them understand and foster plants of all types.

Colonial Botany

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How Plants Work

Provides an outline of the fundamentals of successful bonsai care and cultivation.

A Botanist's Vocabulary

Most conventional gardening books concentrate on how and when to carry out horticultural tasks such as pruning, seed sowing and taking cuttings. This book is unique in explaining in straightforward terms some of the science that underlies these practices. It is principally a book of 'Why' - Why are plants green? Why should one cut beneath a leaf node when taking cuttings? Why do plants need so much

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water? But it also goes on to deal with the 'How', providing rationale behind the practical advice. The coverage is wide-ranging and comprehensive and includes the basic structure and functioning of garden plants, nomenclature, genetics and plant breeding, environmental factors affecting growth, methods of propagation and production, pest and disease control, and post harvest management and storage. Published on behalf of the Royal Horticultural Society, this book will be a most valuable text for those sitting the RHS general examination, and horticultural students at certificate and diploma levels; it will also appeal to gardeners, growers and scientists.

Botany for Gardeners

This classic work now includes new chapters on grasses and additional trees, shrubs, and perennials. This book contains so much well-organized, well-written material that it should become a standard guidebook for anyone who gardens with Northwest natives. Sunset

Science and the Garden

The easy way to score your highest in botany Employment of biological scientists is projected to grow 21% over the next decade, much faster than the average for all

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occupations, as biotechnological research and development continues to drive job growth. Botany For Dummies gives you a thorough, easy-to-follow overview of the fundamentals of botany, helping you to improve your grades, supplement your learning, or review before a test. Covers evolution by natural selection Offers plain-English explanations of the structure and function of plants Includes plant identification and botanical phenomenon Tracking a typical course in botany, this hands-on, friendly guide is your ticket to acing this required course for your major in biology, microbiology, zoology, or elementary education.

Botany

"A thorough update and the introduction of new topics such as biodiversity and conservation has greatly enhanced this new edition: it is a 'must read' for all interested in horticulture and gardening." —John MacLeod, RHS Professor of Horticulture Most conventional gardening books concentrate on how and when to carry out horticultural tasks such as pruning, seed sowing and taking cuttings. This book is unique in explaining in straightforward terms some of the science that underlies these practices. It is principally a book of 'Why' – Why are plants green? Why should one cut beneath a leaf node when taking cuttings? Why do plants need so much water? But it also goes on to deal with the 'How', providing rationale behind the practical advice. The coverage is wide-ranging and comprehensive and includes the basic structure and functioning of garden plants, nomenclature, genetics and plant

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breeding, soil management, environmental factors affecting growth, methods of propagation and production, pest and disease control, post harvest management and storage, and conservation and sustainable horticulture. Now with full colour throughout, the second edition provides the reader with: Completely revised and updated chapters from the first edition, with new information and clearer focus on the topics Four new chapters, dealing with matters that have become of increasing concern since the first edition, namely: Diversity in the Plant World; Conservation and Sustainable Gardening; Gardens and the Natural World; and Gardens for Science Published on behalf of the Royal Horticultural Society, this book remains a key text for those sitting RHS examinations, particularly at levels 2 and 3; it will also appeal to gardeners, growers and scientists. Key Features Bestselling essential text for all horticulture students Edited and written by a group of highly regarded scientists Covers the scientific information of greatest importance to gardeners and horticulturists Jargon-free scientific explanations, a comprehensive glossary, and copious colour illustrations Royalties from the sale of this book go towards the charitable work of the RHS, promoting horticulture and helping gardeners. www.rhs.org.uk

Plant Names Simplified

Botanists are the trailblazers who first discovered how plants work and collected from around the world many of the species that we find in our gardens today. This

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informative and beautiful guide presents the stories of 35 plant collectors and gardening pioneers of the past and present, including Joseph Banks, Asa Gray and Marianne North. Arranged in chronological order, each profile covers one botanist, presenting their life story, discoveries and legacy, while special feature pages reveal their secrets, exploring the qualities that brought them success and showing what ordinary gardeners can learn from them. Illustrated with beautiful period botanical watercolours and vibrant photographs, RHS The Secrets of Great Botanists will provide inspiration and practical guidance for gardeners of all levels, from successful plant cultivation to adding interest to your garden.

Botany for Gardeners

Most of us think of plants as belonging to one big family, but they don't. There are actually hundreds of different plant families, which botanists have grouped together using what they know of their family histories and genealogy, to bring some sense and order to more than quarter of million different plant species. Using this knowledge, we can teach ourselves to see similarities of characteristics between plants and get a pretty good idea of which family they belong to. GENEALOGY FOR GARDENERS presents the enormous diversity shown by the many families of plants in a way that is easy to understand, whether one's interest lies in natural history or with horticulture. The superb illustrations make it exceptionally attractive and accessible book. Information boxes on most pages highlight interesting facts,

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unexpected relationships, botanical curiosities, and notable members of plant family groups. Readers can make sense of the enormous biological diversity of the plant kingdom, by piecing together family likenesses and genealogical connections.

The Nature of Plants

This colourful guide will explain the fundamentals of growing plants, whether you are taking a Level 3 RHS, City and Guilds or Edexcel course, are a grower or gardener in the industry, or are just a keen amateur. Written in a clear and accessible style, this book covers the principles that underpin plant production, the use of growing media and crop protection, but with reference also to the same practices in the garden or allotment. With highlighted definitions, key points, and illustrated in full colour, this book will be a useful companion as you progress in the study and practice of horticulture. Complete with a companion website which includes extended horticultural information, questions and exercises to test your knowledge, syllabus cross-referencing and downloadable tutor and student support materials. Available at www.routledge.com/cw/adams

RHS Botany for Gardeners

'Clever valuable introduction to the study of plant science.' - Gardeners Illustrated

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RHS Botany for Gardeners is more than just a useful reference book on the science of botany and the language of horticulture - it is a practical, hands-on guide that will help gardeners understand how plants grow, what affects their performance, and how to get better results. Illustrated throughout with beautiful botanical prints and simple diagrams, RHS Botany for Gardeners provides easy-to-understand explanations of over 3,000 botanical words and terms, and show how these can be applied to everyday gardening practice. For easy navigation, the book is divided into thematic chapters covering everything from Plant Pests, and further subdivided into useful headings such as 'Seed Sowing' and 'Pruning'. 'Botany in Action' boxes provide instantly accessible practical tips and advice, and feature spreads profile the remarkable individuals who collected, studied and illustrated the plants that we grow today. Aided by this book, gardeners will unlock the wealth of information that lies within the intriguing world of botanical science - and their gardens will thrive as a result. This is the perfect gift for any gardener. Contents Includes The Plant kingdom Growth, Form and Function Inner Workings Reproduction The Beginning of Life External Factors Pruning Botany and the Senses Pest, Diseases and Disorders Botanists and Botanical Illustration And Much More!

What's Wrong With My Houseplant?

As new information is introduced and environmental changes occur, Plant Biology continues to develop and evolve as a science. Updated and revised to keep pace with

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these developments, the Fifth Edition of *Botany: An Introduction to Plant Biology* provides a modern and comprehensive overview of the fundamentals of botany while retaining the important focus of natural selection, analysis of botanical phenomena, and diversity. Students are first introduced to topics that should be most familiar (plant structure), proceed to those less familiar (plant physiology and development), and conclude with topics that are likely least familiar to the introductory student (genetics, evolution, and ecology). Mauseth is sure to provide the latest material on molecular biology and plant biotechnology in an effort to keep pace with these advancing areas of study. All sections are written to be self-contained allowing for a flexible presentation of course material. Key Features: - Includes new content on molecular biology, plant biotechnology, and the most recent coverage of taxonomy and phylogeny of plants. - Now available with a new electronic laboratory manual. - Plants Do Things Differently boxes help students understand and compare plant biology with human biology. - End-of-chapter study guide includes nearly 50 or more questions in each chapter, urging students to test themselves on the most important points in the chapter. - Alternatives boxes encourage students to think expansively about alternative aspects of plant biology that are more advantageous in certain conditions.

Science and the Garden

One January morning in 1734, cloth merchant Peter Collinson hurried down to the

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docks at London's Custom House to collect cargo just arrived from John Bartram in the American colonies. But it was not bales of cotton that awaited him, but plants and seeds. Over the next forty years, Bartram would send hundreds of American species to England, where Collinson was one of a handful of men who would foster a national obsession and change the gardens of Britain forever: Philip Miller, author of the bestselling *Gardeners Dictionary*; the Swede Carl Linnaeus, whose standardised botanical nomenclature popularised botany; the botanist-adventurer Joseph Banks and his colleague Daniel Solander who both explored the strange flora of Tahiti and Australia on Captain Cook's *Endeavour*. This is the story of these men - friends, rivals, enemies, united by a passion for plants. Set against the backdrop of the emerging empire and the uncharted world beyond, *The Brother Gardeners* tells the story how Britain became a nation of gardeners.

Guide to Pruning

The second edition of this book is created to assist the clinician in the initial response to the needs of a child or adult exposed to a poisonous or injurious plant. It lists common plants that might lead to the development of the symptom complex and describes the mechanisms of action of the implicated toxin, additional clinical manifestations, and specific therapeutics for each presentation. It has methodically enhanced the previous edition's botanical rigor with insights from both pharmacognosy and clinical medicine to make it a truly comprehensive source for

anyone who has an interest in plants.

A Gardener's Latin

“ Makes the science of plant processes accessible to home gardeners. ” —The American Gardener Why do container plants wilt even when they ’ ve been regularly watered? Why did the hydrangea that thrived last year never bloom this year? Plant physiology—the study of how living things function—can solve these and most other problems gardeners regularly encounter. In *How Plants Work*, horticulture expert Linda Chalker-Scott brings the stranger-than-fiction science of the plant world to vivid life. She uncovers the mysteries of how and why plants do the things they do, and arms you with fascinating knowledge that will change the way you garden.

Gardening with Native Plants of the Pacific Northwest

“ Gardeners just starting out will earn a sense of accomplishment and a good dose of knowledge. ” —Booklist Every new gardener has to start somewhere—and the process can be intimidating. Knowing when and what to plant, how to care for the plants once they ’ re in the ground, and how to keep pests and diseases away is a lot to take on. Luckily, Daryl Beyers—an expert from the New York Botanical Garden—has written what will be a go-to resource for decades to come. *The New Gardener ’ s Handbook* is

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a comprehensive overview of the fundamentals of gardening, based on the introductory gardening class that Beyers teaches at NYBG. Readers will learn about soil, plant selection, propagation, planting and mulching, watering and feeding, pruning, and weeds, pests, and diseases. The information applies to both ornamental and edible plants. Featuring inspiring photography and helpful illustrations, The New Gardener ' s Handbook gives home gardeners a foundation upon which they can grow, and encourages them to apply the lessons they ' ve learned in an intuitive, natural way.

The New Gardener's Handbook

Gardening can be frustratingly shrouded in secrecy. Fickle plants make seemingly spontaneous decisions to bloom or bust, seeds sprout magically in the blink of an eye, and deep-rooted mysteries unfold underground and out of sight. Understanding basic botany is like unlocking a horticultural code; fortunately learning a little science can reveal the secrets of the botanical universe and shed some light on what ' s really going on in your garden. Practical Botany for Gardeners provides an elegant and accessible introduction to the world of botany. It presents the essentials that every gardener needs to know, connecting explanations of scientific facts with useful gardening tips. Flip to the roots section and you ' ll not only learn how different types of roots support a plant but also find that adding fungi to soil aids growth. The pruning section both defines “ lateral buds ” and explains how far back on a shoot to

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cut in order to propagate them. The book breaks down key areas and terminology with easy-to-navigate chapters arranged by theme, such as plant types, plant parts, inner workings, and external factors. “ Great Botanists ” and “ Botany in Action ” boxes delve deeper into the fascinating byways of plant science. This multifaceted book also includes two hundred botanical illustrations and basic diagrams that hearken to the classic roots of botany. Part handbook, part reference, Practical Botany for Gardeners is a beautifully captivating read. It ’ s a must for garden lovers and backyard botanists who want to grow and nurture their own plant knowledge.

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