

Kew Tropical Plant Identification Handbook The

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Discover the essential Kew Tropical Plant Identification Handbook, your definitive guide to recognizing a vast array of exotic flora. This comprehensive resource from Kew Gardens provides detailed descriptions, stunning imagery, and practical tips to help you accurately identify tropical plants whether you're a seasoned botanist or a curious enthusiast. Unlock the secrets of the world's most fascinating vegetation with this indispensable plant identification guide.

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The Kew Tropical Plant Families Identification Handbook

The tropics with their lush rainforests are extremely rich in plant life but are still comparatively unknown. Botanists at the Royal Botanic Gardens, Kew have a long tradition of exploring and plant collecting in the tropics, accumulating an unsurpassed practical knowledge of the tropical plants they encounter. This second edition of The Kew Tropical Plant Families Identification Handbook brings together this knowledge in a guide to the commonly encountered and ecologically important plants of the tropics. Written by Kew's experts, this handbook is based on Kew's Tropical Plant Identification course, which uses classical morphology, as well as more simple 'spot' characters, to teach plant identification.

The Kew Tropical Plant Families Identification Handbook

The tropics with their lush rainforests are extremely rich in plant life but are still comparatively unknown to botanical science. Botanists at the Royal Botanic Gardens, Kew have a centuries-long tradition of exploring and plant collecting in the tropics. The unsurpassed practical knowledge of the tropical plants they have encountered is brought together in The Kew Tropical Plant Families Identification Handbook, a guide to the commonly encountered and ecologically important plants of the tropics. Written by Kew's experts, this handbook is based on Kew's Tropical Plant Identification course, which uses both classical morphology and simple 'spot' characters, to teach plant identification. A total of 83 families and subfamilies are described in detail and richly illustrated with photographs show the important identification characters The Kew Tropical Plant Families Identification Handbook is an invaluable, easy-to-use primary resource for any tropical botanist, as well as for students, conservation workers, ecologists and all those who wish to identify tropical plants.

The Kew Tropical Plant Families Identification Handbook

A guide to the commonly encountered and ecologically important plant families of the tropics, written by Kew's experts who teach the Kew Tropical Plant Identification course.

The Kew Tropical Plant Families Identification Handbook

This plant glossary includes all descriptive terms used in floras, plant field guides and monographs. This is an essential companion for anyone working with plant descriptions, plant identification keys, floras, monographs and field guides. In this second edition 4,500 botanical terms are described with accompanying illustrations, including a new section on vegetation terms and an updated colour section. 'Catnip for the garden geek...this fascinating, authoritative volume may seduce even the most casual browser.' The New York Times, 27 May 2010

The Kew Plant Glossary

Evolution of land plant -- Plants and human culture -- Naming plants -- Classification and the angiosperm phylogeny group

Plants of the World

Practical Plant Identification is an essential guide to identifying flowering plant families (wild or cultivated) in the northern hemisphere. Details of plant structure and terminology accompany practical keys to identify 318 families into which flowering plants are divided. Specifically designed for practical use, the keys can easily be worked backwards for checking identifications. Containing descriptions of families and listings of the genera within, it also includes a section on further identification to generic and specific levels. A successor to the author's bestselling The Identification of Flowering Plant Families, this guide is updated, and retains the same concise user-friendly approach. Cullen skillfully leads the reader from restrictive disciplines of older taxonomy, into an era of increasing numbers of plant families defined by DNA analysis. Aimed primarily at students of botany and horticulture, this is a perfect introduction to plant identification for anyone interested in plant taxonomy.

Practical Plant Identification

The Kew Temperate Plant Families Identification Handbook brings together the combined knowledge of Kew experts in a guide to the commonly encountered plants of temperate regions. The Royal Botanic Gardens, Kew is a centre of expertise for cultivating a range of plants from around the world, especially temperate plants which are grown in the Arboretum, Alpine House and Temperate House, as well as at Wakehurst. In this book, Kew's experts have accumulated an unsurpassed practical knowledge of the plants they encounter, both scientific and horticultural. 100 plant families are described in detail and richly illustrated with photographs showing the important identification characters, along with distribution maps, line drawings and herbarium sheets. This book is the primary resource for plant identification for those working in temperate regions around the world.

The Kew Temperate Plant Families Identification Handbook

A superb reference for anyone interested in the world's tropical flora.

Encyclopedia of Tropical Plants

The Tropical Hothouse features press-out shapes, enabling you to transform the book into a work of art, creating a landscape of over 50 rare and exotic hothouse plants.

The Tropical Hothouse (Royal Botanic Gardens Kew)

Previously illustrated with black and white photographs, this reference now provides professionals with a colorful guide to the production of commercial foliage crops. Featuring updated and expanded information, including cultural changes, new technological advances, and eight new foliage crops, the guide now covers more than 70 species of foliage appropriate to commercial environments--anthuriums, bromeliads, ferns, bamboos, birds-of-paradise, and African violets. In addition to exploring each plant's natural habitat, varieties, and propagation, this reference also counsels growers on uses, nutrition, pests, disorders, interior care, and the most common problems affecting these types of foliage. Tables also list leaf analysis rating standards for nutrients for many of the crops discussed.

Tropical Foliage Plants

This book bridges a long-standing gap between obscure references in tropical botany and the gardener's need for an accurate, practical guide. Incorporating the latest advances in plant taxonomy, the book is a rare work of scrupulous research -- and magnificent photography -- that will be as useful to the gardener as it is to the botanist.

Tropical Flowering Plants

Restoring Tropical Forests is a user-friendly guide to restoring forests throughout the tropics. Based on the concepts, knowledge and innovative techniques developed at Chiang Mai University's Forest Restoration Research Unit, this book will enable improvements in existing forest restoration projects and provide a key resource for new ones. The book presents three aspects of the restoration of tropical forest ecosystems: the concepts of tropical forest dynamics and regeneration that are relevant to tropical forest restoration, proven restoration techniques and case studies of their successful application, and research methods to refine such techniques and adapt them to local ecological and socio-economic conditions.

Restoring Tropical Forests

The island of New Guinea is the most floristically diverse island in the world with an extremely rich tree flora of up to 5,000 species. *Trees of New Guinea* details each of the 693 plant genera with arborescent members found in New Guinea. The entire New Guinea region is covered, including the West Papua and Papua Provinces of Indonesia, Papua New Guinea and the surrounding islands such as New Britain, New Ireland and Bougainville. The book follows contemporary classifications and is richly illustrated with line drawings and photographs throughout. Each group has a family description and key to the New Guinea tree genera, followed by a description of each genus, with notes on taxonomy, distribution, ecology and diagnostic characters. *Trees of New Guinea* is the essential companion to anyone studying or working in the region, including botanists, conservation workers, ecologists and zoologists.

Trees of New Guinea

Which are delicate and which indestructable? - We show how to find the right home for your plants and the right plants for your home. *KEW GROWING HOUSE PLANTS* is a beautifully illustrated giftable gardening reference book, combining exquisite botanical illustrations with practical indoor projects. Readers can discover over 70 life-changing plants and 12 home-transforming projects. Each project is described and illustrated with step-by-step photographs. Starting from the premise that we want to show how to grow the right plant in the right place, we demonstrate the benefits of all common house plants and how to care and curate them in the home. Includes cacti, succulents, bromeliads including air plants, foliage house plants, flowering house plants, house plants for scent and air freshening.

The Kew Gardener's Guide to Growing House Plants

'A glorious green adventure story.' Ann Treneman, *The Times* 'Books of the Year' 'The most enthralling historical book I've read this year.' Claire Tomalin, *New Statesman* 'Books of the year' Daringly innovative when it opened in 1848, the Palm House in Kew Gardens remains one of the most beautiful glass buildings in the world today. Seemingly weightless, vast and yet light, the Palm House floats free from architectural convention, at once monumental and ethereal. From a distance, the crowns of the palms within are silhouetted in the central dome; close to, banana leaves thrust themselves against the glass. To enter it is to enter a tropical fantasy. The body is assaulted by heat, light and the smell of damp vegetation. In *Palace of Palms*, Kate Teltscher tells the extraordinary story of its creation and of the Victorians' obsession with the palms that filled it. It is a story of breathtaking ambition, of scientific discovery and, crucially, of the remarkable men whose vision it was. The Palm House was commissioned by the charismatic first Director of Kew, Sir William Hooker, designed by the audacious Irish engineer, Richard Turner, and managed by Kew's forthright curator, John Smith, who battled with boilers and floods to ensure the survival of the rare and wondrous plants it housed.

Palace of Palms

Explores what makes the world's rarest plants so exceptional, and by what means they have become so scarce, and tells the story of 40 rare and endangered species. Includes 40 frameable prints; encased in a collector's box.

Kew: Rare Plants: Forty of the World's Rarest and Most Endangered Plants

Carefully selected plants add color, character, and charm to a wide variety of outdoor settings, providing much enjoyment and increasing the value of your home. Plants for Tropical Landscapes will help you select and group plants to create a successful tropical garden tailored to your needs and tastes. Gardeners and landscapers will find this treasury of more than 500 common plants easy to use and one of the most comprehensive guides available today. Plants are organized by size (ground covers, low shrubs, medium shrubs, small trees) and are fully illustrated with more than 700 color photographs to aid in their identification. The book presents guidelines on plant characteristics, soil and water requirements, and suggested landscape use for each species. In addition, appendices list plants suitable for special uses (xeriscapes, windbreaks, night gardens) and sites (beach gardens, lanai, and houseplants).

Plants for Tropical Landscapes

To understand almost any part of the tropical rain forest's fabulously complex web of life, one must first learn to identify a bewildering array of plants. Alwyn Gentry's landmark book, completed just before his tragic death in 1993, is the only field guide to the nearly 250 families of woody plants in the most species-rich region of South America. As a consummate field researcher, Gentry designed this guide to be not just comprehensive, but also easy to use in rigorous field conditions. Unlike many field guides, which rely for their identifications on flowers and fruits that are only present during certain seasons, Gentry's book focuses on characters such as bark, leaves, and odor that are present year-round. His guide is filled with clear illustrations, step-by-step keys to identification, and a wealth of previously unpublished data. All biologists, wildlife managers, conservationists, and government officials concerned with the tropical rain forests will need and use this field guide. Alwyn Gentry was one of the world's foremost experts on the biology of tropical plants. He was senior curator at the Missouri Botanical Garden, and was a member of Conservation International's interdisciplinary Rapid Assessment Program (RAP) team, which inventories the biodiversity of the most threatened tropical areas. From 1967 to 1993 he collected more than 80,000 plant specimens, many of them new to science.

A Field Guide to the Families and Genera of Woody Plants of Northwest South America (Colombia, Ecuador, Peru), with Supplementary Notes on Herbaceous Taxa

For the first time, this extraordinary compilation showcases weird, mysterious and bizarre plants from around the world. Plants trick, kill, steal and kidnap, and this unique book explores a fascinating world in which plants have turned the tables on animals. Author Chris Thorogood showcases these plant behaviours, the interrelationships among plants, the interdependencies between plants and animals, and the intrigue of plant evolution. All types of weird and sinister are featured in this book, from carnivorous plants that drug, drown and consume unsuspecting insect prey; giant pitcher plants that have evolved toilets for tree shrews; flowers that mimic rotting flesh to attract pollinating flies, and orchids that duplicitously look, feel and even smell like a female insect to bamboozle sex-crazed male bees.

Weird Plants

A guide to the identification of all the woody plants (c. 2,250 species in 740 genera) of the forest region of West Africa called 'Upper Guinea', between Togo and Senegal. Upper Guinea is one of the world's most important centres of biodiversity, from the mountain forests of Liberia, Guinea and Sierra Leone, to the lowland evergreen, and semideciduous forests widespread also in Ghana and Ivory Coast. This comprehensively illustrated guide will play a vital supportive role in the challenge of sustainable development within the forest region of West Africa, helping to promote best practice in the management of its plants and forests.

Woody Plants of Western African Forests

Let the experts at the Royal Botanic Gardens in Kew e-guide you around the beautiful and mysterious world that is the plant kingdom. From regulating the air we breathe, to providing food, clothes, fuels, and medicines - plants are fundamental to our lives. Discover an extraordinary diversity of species, which includes a grass that grows a metre a day, roots that breathe air, and "queen of the night" cactuses whose rare blooms vanish before dawn. In a combination of art and science, Flora celebrates plants from majestic trees to microscopic algae, explaining how they germinate, grow, and reproduce. It presents species that have evolved to accommodate pollinating insects such as the foxglove, and plants that have adapted to flourish in even the most hostile of habitats. Pierre-Joseph Redoute in the 18th-century was described as the "Raphael of flowers". Flora showcases his botanical paintings as well as those of Georg Ehret and others in this gorgeous visual celebration of plants through the ages. Whether you are a keen gardener, naturalist, or botany student, this beautiful ebook is a treat that will entice, inform, and amaze.

Flora

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

Plant Names

"These seeds will captivate you whether you're a gardener or not." - The Washington Post "A sumptuous guide to 600 of the world's weirdest and most beautiful species, from the black seed with hair like Donald Trump to pinhead-sized orchid seeds." - The Guardian "The book drives home the incredible botanical wealth that is found on our precious blue planet." - The English Garden True time capsules of life, seeds are significant items of hope and promise. They are the most complex organs plants ever produce, and come in an enormously diverse range of shapes, sizes, and colours; from the impressive coco de mer nut to the microscopic seeds of an orchid, to the extraordinary cobalt blue of the traveller's palm pit. Seeds are often overshadowed by the adult plant's size and show. Here, 600 seeds are spotlighted, each given equal attention, each shown as glorious photographs, life size and in detail, alongside an engraving of the parent plant. Every profile includes a population distribution map, a table of essential information, and a commentary revealing notable characteristics, related species, and a diagnosis of the specimen's importance in terms of taxonomy, rarity, dispersal method, and scientific significance. Arranged taxonomically, this essential reference reveals the variety and importance of seeds to an extent never seen before.

Field Guide to the Plants of the Falkland Islands

"Palms are the symbols of the tropics. They are the most distinctive of all flowering plants, and yet their diversity of form and ecology is astounding. A family of Superlatives, the palms boast the longest leaf the longest unhraunched aerial steins, the biggest inflorescences and the largest seed in the plant kingdom. They play a vital role in economies throughout the world, supplying major traded commodities such as oils, starch and sugar, and are significant in the global horticultural industry. They also provide countless resources to local communities at the subsistence level." "The scientific interest of the family encompasses many aspects, including their copious fossil record, evolution, ecology and natural history. Current research on the relationships among palms has culminated in a new phylogenetic classification of the family, which forms the basis of *Genera Palmarum: The Evolution and Classification of Palms*. This encyclopaedic account of the family provides a new standard reference to underpin all palm studies."--BOOK JACKET.

The Book of Seeds

The genus *Inga* is a large group of forest trees restricted to South America. This monograph describes and maps 258 species. Of these 253 are illustrated, and information is presented on distribution, ecology, field characteristics and species relationships. Additional chapters cover morphology, wood and bark anatomy, cytology, non-protein amino acid chemistry, flavonoid chemistry, variation, relationships and distribution, and uses. There is a full list of exsiccatae and indexes to scientific and vernacular names.

Genera Palmarum

Grasses and bamboos are part of the same botanical group, the grass family, also called Poaceae, a family with an estimated 12,000 species. Grasses occur throughout the world with similar diversity in the tropical and temperate regions, in all climates, and at all elevations. Madagascar is no exception. The grass family is the most economically important group of plants which has always been closely involved in people's lives. Grasses provide food: rice (*Oryza sativa*), maize (*Zea mays*), sugarcane (*Saccharum officinarum*), and breadwheat (*Triticum aestivum*) are all members of the grass family. Grasses also provide food for cattle and shelter as bamboo (e.g. *Bambusa vulgaris*) or bararata (*Phragmites mauritianus*), while the valiha (*Valiha diffusa*) is used to make musical instruments. Grasses are planted as lawns (e.g. *Cynodon dactylon*), planted to prevent erosion (e.g. *Chrysopogon zizanioides*), and planted as decorative hedges (e.g. *Phyllostachys aurea*, *Pogonatherum paniceum*). Madagascar's grasses are still poorly known and many endemic species have only been recorded once or twice. More collections and records are necessary to understand the true diversity and species distribution. This guide hopes to encourage study and collecting of grasses by showing how beautiful and interesting these plants can be, and by providing a practical means of identification at the generic level. The current available knowledge on the genera of Madagascar Poaceae has been compiled and summarised, with an emphasis on easily visible characters to verify generic identity. 144 grasses are described with life size colour photographs to aid identification. This guide is for all botanists, naturalists, students, and other people interested in the grass family. It may be of use to Poaceae specialists but its primary aim is to broaden the appeal of the group to collectors and field workers.

The Genus Inga

To many plant lovers winter seems like lost time, but a glance at the twigs of trees and shrubs shows that this does not need not be the case. In contrast to other life forms, trees and shrubs do not die aboveground, but enclose their shoots for the next year in buds, presenting many characters which hardly change over time. Using these bud and twig characters, deciduous trees and shrubs can be classified reliably in winter, which is particularly important during planting time. Author Bernd Schulz's unrivalled masterpiece is a practical guide to identifying trees and shrubs in winter. Comprehensive and easy to use, it contains over 700 species identifiable via their winter buds and twigs. The illustrated identification keys are easy to use, and a summary set of keys are provided as an appendix. Detailed descriptions are accompanied with over 1,400 colour illustrations. This monumental taxonomic work is one reference work that will help us all to be more confident in the identification of a comprehensive list of winter twigs and buds. Tony Kirkham Head of Arboretum, Gardens and Horticultural Services, Royal Botanic Gardens, Kew

Threatened Habitats and Tropical Important Plant Areas (TIPAs) of Guinea, West Africa

This is tropical Africa's first Red Data book for plants. Cameroon contains tropical Africa's most species-diverse hotspots for plants; many are rare and threatened with extinction. In the book 815 species are documented as being threatened using IUCN global assessments, most being assessed for the first time. Short species descriptions to aid identification in the field are given, as well as notes on habitats and threats, together with distribution maps and management suggestions to assist better conservation.

Identification Guide to Grasses and Bamboos in Madagascar

This book is a record of some 2,700 people who have collected herbarium specimens in Uganda, Kenya and Tanzania, designed as a supplement to the now complete Flora of Tropical East Africa.

Identification of Trees and Shrubs in Winter Using Buds and Twigs

Travel across the world and through history to meet the botanical pioneers who changed our landscape. *Plant Hunters* tells the story of our obsession with all things that grow--both for their beauty and their economic potential--and the creation of botanical gardens to cultivate them. This sumptuous, intriguing volume moves from East to West and back again, introducing the botanists, explorers, and empire builders who gathered plants such as the coconut tree, roses, and numerous fruits and vegetables to bring back home. Showcasing hundreds of breathtaking illustrations and historical documents, it examines the species we now take for granted and the plants that have enriched and impoverished nations.

Red Data Book of the Flowering Plants of Cameroon

"Reveals the history of botanical painting, its beauty and science, with works from two renowned collections and over one hundred significant artists, dating from the late 1400s through to today. Paintings featured from the Kew collection include works by well-known artists the Bauer brothers, Redoute, Ehret, Fitch, Lilian Snelling and Margaret Mee as well as many lesser known artists. Contemporary works are featured from the Sherwood collection by a host of international artists. Over 200 stunning botanical paintings are showcased in this gift book, accompanied with informative text on the origins, history and relevance of botanical art, as well as information on the plants themselves. Biographies of over 120 artists are provided at the end of the book, revealing the historical and international background of this genre."--

East African Plant Collectors

This is the first field guide dealing with the seed plants of the lowlands of East Sabah, Malaysia, and features the 84 most commonly encountered families in the low land rainforest of Danum Valley, Maliau Basin and Imbak Canyon. Plant families are presented alphabetically, and each carries a full description, with field characters and descriptions of the key genera. Each family is illustrated with full colour photographic images. This is an easy to use guide aimed at students, conservation workers, scientists and the increasing numbers of eco-tourists in Sabah, Malaysia, and will be an invaluable identification tool both in the field and in the herbarium.

The Plant Hunters

Discover the secrets and beauty of the world's rarest trees in this fantastic book filled with more than 300 color photographs. Forests cover nearly a third of the world's surface, and the trees that make them up include a staggering diversity of more than 60,000 species. Individual trees play specific ecological roles in their unique environments—and they have adapted to thrive on steep mountains, in cloud forests, on dry savannahs, in parched deserts, and in tropical wetlands. Our history, and our future, are interwoven with the trees that define the regions of our green planet. *Rare Trees* profiles over 60 unique species that are currently endangered—including the most charismatic, fascinating, and downright bizarre examples from all around the globe. Filled with hundreds of color photographs, maps to help readers identify habitats, and accessible and engaging text by tree experts from the Global Trees Campaign, *Rare Trees* will give readers a new appreciation for the importance of trees and will inspire them to preserve this critical canopy of life.

Treasures of Botanical Art

An inspirational and beautifully illustrated book that tells the stories of 80 plants from around the globe 'Informs and charms in equal measure' Monty Don [Bookinfo].

Field Guide to the Plants of East Sabah

Nearly three hundred full-color photographs complement a tour of the most beautiful gardens of Hawaii, Thailand, Malaysia, Singapore, Indonesia, and Bali, presenting a wide array of public and private gardens along with a detailed discussion of garden design, plant selection, history, and cultural traditions. Reprint.

Rare Trees

Passionate, forthright and enthusiastic, Carlos Magdalena is a world-renowned horticulturist - known both for his charisma and his conservation work. *The Plant Messiah* follows Carlos' dreams and disappointments; from his days as a school boy in the death throes of General Franco's Fascist

dictatorship, to his advent as The Plant Messiah at the forefront of conservation, backed by the reputation and resources of The Royal Botanic Gardens, Kew and enthused by the potential that lies beyond. The book discloses for the first time the details behind his 'codebreaking' exploits and the secret stories behind his work; his genius, lateral thinking and steadfast belief that everything is possible.

Around the World in 80 Plants

The Tropical Garden