

Tropical Fruits (Crop Production Science in Horticulture)

By H Y Nakasone, Robert E. Paull



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A wide variety of fruits is grown in the tropics, under a range of climatic conditions and soil types. Some have been widely used both within the tropics and also exported to temperate countries for many years, whereas others are currently grown almost exclusively for local or regional use. However, consumer demands and improvements in postharvest treatment have meant that the number of species available in temperate markets is increasing. This book provides a broad survey of all aspects of tropical fruit production and usage. It begins by defining the climate and soils of the tropics and outlining the general principles of cultivation and postharvest handling. Each type of fruit is then examined in terms of botany, origin and distribution, ecology, genetics and cultivar development, culturing practices, pests and diseases, harvest and postharvest handling and utilization. Finally, fruits which have potential for future development are considered. The book is essential reading for students and professionals in horticulture, agronomy and food science.



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Editorial Review

Review

"One might expect that a book in an academic series with a title such as Crop Production Science in Horticulture might simply be another collection of loosely connected papers, not peer reviewed. Instead this volume comes as a very pleasant surprise: it thoroughly covers topics in the area of tropical fruits concisely and lucidly. Information is covered from basic issues of defining the tropics to specifics about cultivars of particular species of tropical fruits. . . . Tropical Fruits presents an excellent range of information with outstanding clarity and completeness. These properties make it a valuable resource for beginners and amateur growers as well as for academics and professionals. . . . [T]his book would be wholly appropriate for the reading list of an introductory class in horticulture, and would be useful even on the supplemental reading list for an introductory botany class. It is highly recommended."--Plant Science Bulletin

"This book is a good introduction to the biology and culture of many of the subtropical and tropical fruit crops grown throughout the world. The first two chapters cover general topics . . . The remaining chapters focus on the biology, culture, and management of a single crop or a few species that are genetically related or common to a specific geographic region. The chapters begin with the botanical classification of the crop, followed by descriptions of origin and distribution, crop ecology, and environmental conditions for production. A botanical description, discussion of cultivar development and cultural practices . . . , harvesting and postharvest handling, and crop utilization are also included. . . . I recommend this book as a very good general reference. It would also be an excellent textbook for an introductory course that focused on the biology and production of subtropical and tropical fruit crops."--The Quarterly Review of Books

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About the Author

Robert E. Paull graduated from the University of Sydney with a BS in Agronomy, was involved in cotton production research before going to the University of California in Berkeley for a PhD in plant physiology.

He returned to Australia and carried out research on chilling injury of tropical plants before his appointment to the University of Hawaii to teach and do research on postharvest physiology and handling. He teaches plant physiology and provides guest lectures on postharvest physiology and handling in applied courses. His research focuses on the adaptation and application of technology to the improvement of postharvest handling in a integrated and systematic way. This research has lead to more than 100 peer-reviewed publications and over 80 extension type articles. He is co-author on three books and has co-edited five including *The Encyclopedia of Fruits and Nuts*, published by CABI with Dr. Jules Janick.

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