

Small-Scale Processing and Storage of Tropical Root Crops

Edited by
Donald L. Plucknett



Smallscale Processing And Storage Of Tropical Root Crops

Durward S. Smith



Smallscale Processing And Storage Of Tropical Root Crops:

Small-scale Processing And Storage Of Tropical Root Crops Donald Plucknett,2019-07-11 Tropical root crops basic staples for millions of people are highly perishable and tremendous losses occur after harvest because of the lack of storage and processing technology This book is the first to fully describe small scale processing and storage methods for these root crops particularly taro sweet potato and yams The authors emphasize methods of handling and preserving the crops that require little in the way of energy or technology and they discuss traditional methods of storage and processing in Africa Asia and the Pacific They also describe small machines suitable for processing and highlight examples of higher level technology The book is a milestone in the search for ways to appropriately modernize traditional agriculture and food systems

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Vincent Lebot, 2019-12-02 Root and tuber crops are important to agriculture food security and income for 2.2 billion people in developing countries. These species produce large quantities of dietary energy and have stable yields under difficult environmental conditions. This second edition of *Tropical Root and Tuber Crops* is an authoritative treatment of four important root and tuber crops: cassava, sweet potato, yams, and aroids. *Adding Value to Root and Tuber Crops: A Manual on Product Development* Christopher Wheatley, 1995 *Sweet Potato* Jennifer A. Woolfe, 1992-03-05 The sweet potato is at present grown in more than 100 of the independent countries of the world. Most of the producer nations are situated in the tropical developing world where a high proportion of the poorest people live. Increasing recognition of the potential which sweet potato holds for combating food shortages and malnutrition has resulted in intensified research efforts to enhance production and consumption. This book reviews our knowledge about the varied aspects of the sweet potato as a human food and animal feedstuff. This volume will be found practical and informative by all those involved in food and nutrition sciences especially but not exclusively in developing countries. These include research workers in food or agriculture, dietitians, nutritionists, food technologists, students, planners and policy makers. **New Crops for Food and Industry** G.E. Wickens, N. Haq, P. Day, 1989-06-30 Examining the development of alternative crops, this volume covers topics which include genetic engineering and tissue culture techniques and marketing potential utility of new crops. *Cassava in Asia, Its Potential and Research Development Needs*, 1986 **Desarrollo de productos de raíces y tubérculos** Gregory J. Scott, 1992 *Fruit and Vegetables* Anthony Keith Thompson, 2014-10-03 Completely revised, updated and enlarged, now encompassing two volumes, this third edition of *Fruit and Vegetables* reviews and evaluates in comprehensive detail postharvest aspects of a very wide international range of fresh fruit and vegetables as it applies to their physiology, quality, technology, harvest, maturity, determination, harvesting methods, packaging, postharvest treatments, controlled atmosphere, storage, ripening and transportation. The new edition of this definitive work, which contains many full colour photographs and details of species not covered in the previous editions, provides key practical and commercially oriented information of great use in helping to ensure that fresh fruit and vegetables reach the retailer in optimum condition with the minimum of deterioration and spoilage. With the constantly increasing experimental work throughout the world, the book incorporates salient advances in the context of current work as well as that dating back over a century to give options to the reader to choose what is most relevant to their situation and needs. This is important because recommendations in the literature are often conflicting; part of the evaluation of the published results and reviews is to guide the reader to make suitable choices through discussion of the reasons for diverse recommendations. Also included is much more on the nutritional values of fruit and vegetables and how these may vary and change postharvest. There is also additional information on the origin, domestication and taxonomy of fruit and vegetables, putting recommendations in context. *Fruits and Vegetables 3e* is essential reading for fruit and vegetable technologists, food scientists and food technologists, agricultural scientists, commercial

growers shippers packhouse operatives and personnel within packaging companies Researchers and upper level students in food science food technology plant and agricultural sciences will find a great deal of use within this popular book All libraries in research establishments and universities where these subjects are studied and taught should have copies readily available for users

Tropical Roots and Tubers Harish K. Sharma,Nicolas Y. Njintang,Rekha S. Singhal,Pragati Kaushal,2016-11-14 Roots and tubers are considered as the most important food crops after cereals and contribute significantly to sustainable development income generation and food security especially in the tropical regions The perishable nature of roots and tubers demands appropriate storage conditions at different stages starting from farmers to its final consumers Because of their highly perishable nature search for efficient and better methods of preservation processing have been continuing alongside the developments in different arena This book covers the processing and technological aspects of root and tuber foods detailing the production and processing of roots and tubers such as taro cassava sweet potato yam and elephant foot yam Featuring chapters on anatomy taxonomy and physiology molecular and biochemical characterization GAP GMP HACCP Storage techniques as well as the latest technological interventions in Taro Cassava Sweet potato yam and Elephant foot Yam Proceedings of the International Symposium held in Nanning, Guangxi, China. ,

Top 100 Exotic Food Plants Ernest Small,2011-08-23 Many edible plants considered exotic in the Western world are actually quite mainstream in other cultures While some of these plants are only encountered in ethnic food markets or during travels to foreign lands many are now finding their way onto supermarket shelves Top 100 Exotic Food Plants provides comprehensive coverage of tropical and semi *Tropical Root Crops* International Society for Tropical Root Crops. Africa Branch. Symposium,E. R. Terry,1984 *Prevention of Post-harvest Food Losses* Food and Agriculture Organization of the United Nations,1989-01-01

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Table of Contents Smallscale Processing And Storage Of Tropical Root Crops

1. Understanding the eBook Smallscale Processing And Storage Of Tropical Root Crops
 - The Rise of Digital Reading Smallscale Processing And Storage Of Tropical Root Crops
 - Advantages of eBooks Over Traditional Books
2. Identifying Smallscale Processing And Storage Of Tropical Root Crops
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Smallscale Processing And Storage Of Tropical Root Crops
 - User-Friendly Interface
4. Exploring eBook Recommendations from Smallscale Processing And Storage Of Tropical Root Crops
 - Personalized Recommendations
 - Smallscale Processing And Storage Of Tropical Root Crops User Reviews and Ratings
 - Smallscale Processing And Storage Of Tropical Root Crops and Bestseller Lists
5. Accessing Smallscale Processing And Storage Of Tropical Root Crops Free and Paid eBooks
 - Smallscale Processing And Storage Of Tropical Root Crops Public Domain eBooks
 - Smallscale Processing And Storage Of Tropical Root Crops eBook Subscription Services
 - Smallscale Processing And Storage Of Tropical Root Crops Budget-Friendly Options

6. Navigating Smallscale Processing And Storage Of Tropical Root Crops eBook Formats
 - ePub, PDF, MOBI, and More
 - Smallscale Processing And Storage Of Tropical Root Crops Compatibility with Devices
 - Smallscale Processing And Storage Of Tropical Root Crops Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Smallscale Processing And Storage Of Tropical Root Crops
 - Highlighting and Note-Taking Smallscale Processing And Storage Of Tropical Root Crops
 - Interactive Elements Smallscale Processing And Storage Of Tropical Root Crops
8. Staying Engaged with Smallscale Processing And Storage Of Tropical Root Crops
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Smallscale Processing And Storage Of Tropical Root Crops
9. Balancing eBooks and Physical Books Smallscale Processing And Storage Of Tropical Root Crops
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Smallscale Processing And Storage Of Tropical Root Crops
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Smallscale Processing And Storage Of Tropical Root Crops
 - Setting Reading Goals Smallscale Processing And Storage Of Tropical Root Crops
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Smallscale Processing And Storage Of Tropical Root Crops
 - Fact-Checking eBook Content of Smallscale Processing And Storage Of Tropical Root Crops
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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