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This book contains 82 chapters and covers issues dealing with sustainable agricultural production, production technology and quality of greenhouse crops, quality management of food crops for processing technology, control of pests, diseases and disorders of crops and breeding and biotechnology application in crops.

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Fruits: Growth, Nutrition, and Quality
Edited by Ramdane Dris, PhD

Book Summary:
Worldwide climatic changes have raised concerns about potential changes to fruit yields and production systems. To address these concerns, Fruits: Growth, Nutrition, and Quality pulls together into one volume comprehensive research on the influence of different growing conditions on the production of quality fruits. Respected authorities discuss in detail the full spectrum of issues involving plant growth, development, mineral nutrition, production, and quality improvement of fruits. Fruits: Growth, Nutrition, and Quality is a solid detailed text for educators, growers, researchers, and students, packed with the latest information from a multitude of sources on the best approaches to maintain nutritional integrity while maximizing quality and yield of most varieties of fruits. From soil content to weed, disease, and insect control, to harvesting and optimal postharvest storage, this book details the essential knowledge you need about fruits for optimal growth and quality.

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Vegetables: Growing Environment and Mineral Nutrition
Edited by Ramdane Dris, PhD

Book Summary: Swelling population pressures and changing eating habits have increased the demands for quality vegetables and ways to sustain better harvest yield. To address these concerns Vegetables: Growing Environment and Mineral Nutrition pulls together from around the world comprehensive research on the influence of growing conditions on the production of quality vegetables. Respected authorities discuss in detail various aspects of plant growth, development, mineral nutrition, production and quality improvement of vegetables. Vegetables: Growing Environment and Mineral Nutrition is a solid detailed text for educators, growers, researchers, and students, packed with the latest information from a multitude of sources on the best approaches to maximize the quality, nutrition, and yield of most vegetables. Crop protection, tillage equipment, field preparation, seeds and transplants, irrigation and spraying systems, harvest and postharvest handling, season extension, integrated pest management, and environmentally friendly ways of handling insects, diseases, weeds, and wildlife are all thoroughly discussed. Sources are exhaustively presented at the end of each chapter, and the book employs numerous helpful illustrations, photographs, tables, and charts for clarity of thought. Vegetables: Growing Environment and Mineral Nutrition gathers together in one volume vital vegetable growth, cultivation, and harvest information, making it an essential resource for educators, horticulturists, food technologists, agriculturalists, environmentalists, researchers, and students.

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