

Business Plan For Integrated Greenhouse Tomato Farming

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Horticulture – New Technologies and Applications J. Prakash 2012-12-06 In November 1990 Indo-American Hybrid Seeds (IAHS), one of the largest and very innovative horticultural enterprises of its kind in India, celebrated its silver jubilee year in the town of Bangalore, India. On the occasion of this silver jubilee of IAHS an International Seminar on 'New Frontiers in Horticulture' was organized from 25-28th of November 1990 at the Ashok Radisson Hotel in Bangalore. IAHS was almost fully responsible in terms of organization and financially for this International Seminar. Assisted by an International Scientific Advisory Board, the organizing committee, all members of the company IAHS, really did a great job. I would like to thank in particular Mr. Mammohan Attavar (the company's founder) and Mr. Sri N.K. Bhat (partner of the company), respectively chairman and treasurer of the organizing committee, for their organizational and financial support in organizing this conference. Very special words of thanks go to my colleague editor, Dr. Jitendra Prakash, Secretary Organizing committee and Director of Biotechnology - IAHS, who was really the spill in the whole organization of our very successful conference.

Sustainable Agriculture Volume 2 Eric Lichtfouse 2011-02-09 This book gathers review articles that analyze current agricultural issues and knowledge, then propose alternative solutions. It will therefore help all scientists, decision-makers, professors, farmers and politicians who wish to build a safe agriculture, energy and food system for future generations.

Proceedings of the Third National IPM Symposium/Workshop Sarah Lynch 1997

Miscellaneous Publication 1997

The Best of The Growing Edge International, 2000-2005 2005 This is the third volume in The Best of Growing Edge International series. This compilation of the best Growing Edge International magazine articles from the years of 2000-2005 in a chapter form covering hydroponic operations from around the world. All articles have a human interest angle of the growers and the who, what and why the got into hydroponics. This book will interest both hobbyists and commercial hydroponic growers.

Tomato Plant Culture In the Field, Greenhouse, and Home Garden J. Benton Jones, Jr. 2002-01-01

The tomato is the second most widely grown vegetable crop in the world and the number one vegetable grown in home gardens in the U.S. Rich in Vitamins A and C, tomato fruit contains the antioxidant lycopene. A recent long-term medical study indicates that individuals who regularly consume fresh tomatoes or processed tomato products are less likely to develop certain forms of cancer than those who do not. *Tomato Plant Culture: In the Field, Greenhouse, and Home Garden* provides comprehensive factual information about tomato plant culture and fruit production, beneficial to plant scientists and commercial field and greenhouse growers as well as the home gardener. Data compiled focuses on the more recent literature, including information about the cultural characteristics of the plant; fruit production and related quality factors; and environmental and nutritional requirements for both field- and greenhouse-grown plants.

Implementing Campus Greening Initiatives Walter Leal Filho 2015-01-21 Firmly rooted in the theory and practice of sustainable development, this book offers a comprehensive resource on sustainability, focusing on both industrialized and developing nations. *Implementing Campus Greening Initiatives: Approaches, Methods and Perspectives* is an attempt to promote and disseminate the work being done in this field by universities around the world. The need to integrate the principles and concepts of green campuses and sustainability into the core of students' educational experiences, from high school to college or university, has now been broadly recognized. By doing so, we can ensure that the students of today and tomorrow will acquire the knowledge, skills, attitudes and values needed to create a more sustainable economy and social environment.

The Growing Edge 2004

Sustainable Market Farming Pam Dawling 2013-02-01 Growing for 100 - the complete year-round guide for the small-scale market grower. Across North America, an agricultural renaissance is unfolding. A growing number of market gardeners are emerging to feed our appetite for organic, regional produce. But most of the available resources on food production are aimed at the backyard or hobby gardener who wants to supplement their family's diet with a few homegrown fruits and vegetables. Targeted at serious growers in every climate zone, *Sustainable Market Farming* is a comprehensive manual for small-scale farmers raising organic crops sustainably on a few acres. Informed by the author's extensive experience growing a wide variety of fresh, organic vegetables and fruit to feed the approximately one hundred members of Twin Oaks Community in central Virginia, this practical guide provides: Detailed profiles of a full range of crops, addressing sowing, cultivation, rotation, succession, common pests and diseases, and harvest and storage Information about new, efficient techniques, season extension, and disease resistant varieties Farm-specific business skills to help ensure a successful, profitable enterprise Whether you are a beginning market grower or an established enterprise seeking to improve your skills, *Sustainable Market Farming* is an invaluable resource and a timely book for the maturing local agriculture movement. Pam Dawling is a contributing editor with *Growing for Market* magazine. An avid vegetable grower, she has been farming as a member of Twin Oaks Community in central Virginia for over twenty years, where she helps grow food for around one hundred people on three and a half acres, and provides training in sustainable vegetable production.

Sustainable food planning: evolving theory and practice Andr © Viljoen 2012-03-30 With over half the world's population now deemed to be urbanised, cities are assuming a larger role in political debates about the security and sustainability of the global food system. Hence, planning for sustainable food production and consumption is becoming an increasingly important issue for planners, policymakers, designers, farmers, suppliers, activists, business and scientists alike. The rapid growth of

the food planning movement owes much to the fact that food, because of its unique, multi-functional character, helps to bring people together from all walks of life. In the wider contexts of global climate change, resource depletion, a burgeoning world population, competing food production systems and diet-related public health concerns, new paradigms for urban and regional planning capable of supporting sustainable and equitable food systems are urgently needed. This book addresses this urgent need. By working at a range of scales and with a variety of practical and theoretical models, this book reviews and elaborates definitions of sustainable food systems, and begins to define ways of achieving them. To this end 4 different themes have been defined as entry-points into the discussion of 'sustainable food planning'. These are (1) urban agriculture, (2) integrating health, environment and society, (3) food in urban design and planning and (4) urban food governance.

Crop Modeling and Decision Support Weixing Cao 2010-07-10 "Crop Modeling and Decision Support" presents 36 papers selected from the International Symposium on Crop Modeling and Decision Support (ISCMDs-2008), held at Nanjing of China from 19th to 22nd in April, 2008. Many of these papers show the recent advances in modeling crop and soil processes, crop productivity, plant architecture and climate change; the rests describe the developments in model-based decision support systems (DSS), model applications, and integration of crop models with other information technologies. The book is intended for researchers, teachers, engineers, and graduate students on crop modeling and decision support. Dr. Weixing Cao is a professor at Nanjing Agricultural University, China.

Bibliography of Agriculture 1981

Small-Scale Aquaponic Food Production Food and Agriculture Organization of the United Nations 2015-12-30 Aquaponics is the integration of aquaculture and soilless culture in a closed production system. This manual details aquaponics for small-scale production--predominantly for home use. It is divided into nine chapters and seven annexes, with each chapter dedicated to an individual module of aquaponics. The target audience for this manual is agriculture extension agents, regional fisheries officers, non-governmental organizations, community organizers, government ministers, companies and singles worldwide. The intention is to bring a general understanding of aquaponics to people who previously may have only known about one aspect.

Integrated Greenhouse Systems for Mild Climates Christian von Zabeltitz 2010-10-01 Crop production in greenhouses is a growing industry, especially in mild climates, and is very important for the population as a source of income and clean, fresh food. Greenhouses create optimal climate conditions for crop growth and protect crops from outside pests. At the same time greenhouse production increases water use efficiency and makes integrated production and protection (IPP) possible. This book provides technical instructions for practice (what to do and what not to do) and gives answers to the question: How to produce more clean crops and better quality with less water, less land and less pesticide. Suitable greenhouse constructions and their design, adapted to local climates in subtropical, tropical and arid regions and infrastructure conditions are presented. The necessary climate control measures - light transmittance, ventilation, cooling, heating, and CO₂ enrichment - and physical measures for pest control, as well as methods for using solar energy to desalinate salty water are described. The results of theoretical research are transferred into methods for practical use, so that readers are equipped to solve their problems in practice as well as to get stimulation for further research and development.

Creating Urban Agricultural Systems Gundula Proksch 2016-11-03 *Creating Urban Agriculture Systems* provides you with background, expertise, and inspiration for designing with urban agriculture. It shows

you how to grow food in buildings and cities, operate growing systems, and integrate them with natural cycles and existing infrastructures. It teaches you the essential environmental inputs and operational strategies of urban farms, and inspires community and design tools for innovative operations and sustainable urban environments that produce fresh, local food. Over 70 projects and 16 in-depth case studies of productive, integrated systems, located in North America, Europe, and Asia, are organized by their emphasis on nutrient, water, and energy management, farm operation, community integration and design approaches so that you can see innovative strategies in action. Interviews with leading architecture firms, including WORKac, Kiss + Cathcart, Weber Thompson, CJ Lim/Studio 8, and SOA Architectes, highlight the challenges and rewards you face when creating urban agriculture systems. Catalogs of growing and building systems, a glossary, bibliography, and abstracts will help you find information fast.

Planning a Profitable Hydroponic Greenhouse Business Adam J. Savage 1996

Smart Plant Factory Toyoki Kozai 2018-11-11 This book describes the concept, characteristics, methodology, design, management, business, recent advances and future technologies of plant factories with artificial lighting (PFAL) and indoor vertical farms. The third wave of PFAL business started in around 2010 in Japan and Taiwan, and in USA and Europe it began in about 2013 after the rapid advances in LED technology. The book discusses the basic and advanced developments in recent PFALs and future smart PFALs that emerged in 2016. There is an emerging interest around the globe in smart PFAL R&D and business, which are expected to play an important role in urban agriculture in the coming decades. It is also expected that they will contribute to solving the trilemma of food, environment and natural resources with increasing urban populations and decreasing agricultural populations and arable land area. Current obstacles to successful PFAL R&D and business are: 1) no well-accepted concepts and methodology for PFAL design and management, 2) lack of understanding of the environmental effects on plant growth and development and hydroponics among engineers; 3) lack of understanding of the technical and engineering aspects of PFAL among horticulturists; 4) lack of knowledge of the technical challenges and opportunities in future PFAL businesses among business professionals, policy makers, and investors and 5) lack of a suitable textbook on the recent advances in PFAL technologies and business for graduate students and young researchers. This book covers all the aspects of successful smart PFAL R & D and business.

Plant Factory Toyoki Kozai 2019-11-03 *Plant Factory: An Indoor Vertical Farming System for Efficient Quality Food Production, Second Edition* presents a comprehensive look at the implementation of plant factory (PF) practices to yield food crops for both improved food security and environmental sustainability. Edited and authored by leading experts in PF and controlled environment agriculture (CEA), the book is divided into five sections, including an Overview and the Concept of Closed Plant Production Systems (CPPS), the Basics of Physics and Physiology - Environments and Their Effects, System Design, Construction, Cultivation and Management and Plant Factories in Operation. In addition to new coverage on the rapid advancement of LED technology and its application in indoor vertical farming, other revisions to the new edition include updated information on the status of business R&D and selected commercial PFALs (plant factory with artificial lighting). Additional updates include those focused on micro and mini-PFALs for improving the quality of life in urban areas, the physics and physiology of light, the impact of PFAL on the medicinal components of plants, and the system design, construction, cultivation and management issues related to transplant production within closed systems, photoautotrophic micro-propagation and education, training and intensive business forums on PFs. Includes coverage of LED technology Presents case-studies for real-world insights and application Addresses PF from economics and planning, to operation and lifecycle assessment

Good Agricultural Practices for Greenhouse Vegetable Crops 2013 This publication capitalizes on the experience of scientists from the North Africa and Near East countries, in collaboration with experts from around the world, specialized in the different aspects of greenhouse crop production. It provides a comprehensive description and assessment of the greenhouse production practices in use in Mediterranean climate areas that have helped diversify vegetable production and increase productivity. The publication is also meant to be used as a reference and tool for trainers and growers as well as other actors in the greenhouse vegetables value chain in this region.

Global Logistics Management Bahar Y. Kara 2014-12-10 Global Logistics Management focuses on the evolution of logistics in the last two decades, and highlights recent developments from a worldwide perspective. The book details a wide range of application-oriented studies, from metropolitan bus routing problems to relief logistics, and introduces the state of the art on some classical applications. The book addresses typical logistic problems, most specifically the vehicle routing problem (VRP), followed by a series of analyses and discussions on various logistics problems plaguing airline and marine systems. The text addresses problems encountered in continuous space, and discusses the issue of consolidation, scheduling, and replenishment decisions together with routing. It proposes a methodology that supports decision making at a tactical and operational level associated with daily inventory management, and also examines the three-echelon logistic network. This material provides numerous examples and additional topics that include: An analysis for the airline industry and a novel approach for airline logistics including fare pricing and seat inventory control The berth-crane allocation problem in container terminals A marine system logistics application Ice navigation problems and factors that affect ice navigation Pharmaceutical warehouse route design problems An application in healthcare logistics in which medical suppliers are evaluated through a fuzzy linguistic representation model A real data-driven simulation model that outputs a new shuttle system A model that integrates routing and batching problems Joint replenishment and transportation problems Global Logistics Management clearly illustrates logistic problems encountered in many different application areas, and provides you with the latest advances in classical applications.

Livelihoods and Landscapes Strategy: results and resolutions

Integrated Pest and Disease Management in Greenhouse Crops Ramon Albajes 2006-04-11 The International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), established in 1962, is an intergovernmental organization of 13 countries: Albania, Algeria, Egypt, France, Greece, Italy, Lebanon, Malta, Morocco, Portugal, Spain, Tunisia and Turkey. Four institutes (Bari, Italy; Chania, Greece; Montpellier, France; and Zaragoza, Spain) provide postgraduate education at the Master of Science level. CIHEAM promotes research networks on Mediterranean agricultural priorities, supports the organization of specialized education in member countries, holds seminars and workshops bringing together technologists and scientists involved in Mediterranean agriculture and regularly produces diverse publications including the series Options Méditerranéennes. Through these activities, CIHEAM promotes North/South dialogue and international co-operation for agricultural development in the Mediterranean region. Over the past decade, the Mediterranean Agronomic Institute of Zaragoza has developed a number of training and research-supporting activities in the field of agroecology and sustainability of agricultural production systems. Some of these activities have been concerned with the rational use of pesticides and more particularly with the implementation of integrated control systems in order to gain in efficacy and decrease both the environmental impact and the negative repercussions for the commercialization of agricultural products.

Greenhouse Technology and Management Nicolás Castilla 2013 Translation of the second ed.:

Invernaderos de plástico: tecnología y manejo.

Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations for 2004 United States. Congress. House. Committee on Appropriations. Subcommittee on Agriculture, Rural Development, Food and Drug Administration, and Related Agencies 2003

Miraculous Abundance Perrine Hervé-Gruyer 2016-03-14 The Bec Hellouin model for growing food, sequestering carbon, creating jobs, and increasing biodiversity without using fossil fuels When Charles and Perrine Hervé-Gruyer set out to create their farm in an historic Normandy village, they had no idea just how much their lives would change. Neither one had ever farmed before. Charles had been circumnavigating the globe by sail, operating a floating school that taught students about ecology and indigenous cultures. Perrine had been an international lawyer in Japan. Each had returned to France to start a new life. Eventually, Perrine joined Charles in Normandy, and Le Ferme du Bec Hellouin was born. Bec Hellouin has since become a celebrated model of innovative, ecological agriculture in Europe, connected to national and international organizations addressing food security, heralded by celebrity chefs as well as the Slow Food movement, and featured in the inspiring César and COLCOA award-winning documentary film, *Demain* ("Tomorrow"). *Miraculous Abundance* is the eloquent tale of the couple's evolution from creating a farm to sustain their family to delving into an experiment in how to grow the most food possible, in the most ecological way possible, and create a farm model that can carry us into a post-carbon future—when oil is no longer moving goods and services, energy is scarcer, and localization is a must. Today, the farm produces a variety of vegetables using a mix of permaculture, bio-intensive, four-season, and natural farming techniques—as well as techniques gleaned from native cultures around the world. It has some animals for eggs and milk, horses for farming, a welcome center, a farm store, a permaculture school, a bread oven for artisan breads, greenhouses, a cidery, and a forge. It has also become the site of research focusing on how small organic farms like theirs might confront Europe's (and the world's) projected food crisis. But in this honest and engaging account of the trials and joys of their uncompromising effort, readers meet two people who are farming the future as much as they are farming their land. They envision farms like theirs someday being the hub for a host of other businesses that can drive rural communities—from bread makers and grain millers to animal care givers and other tradespeople. Market farmers and home gardeners alike will find much in these pages, but so will those who've never picked up a hoe. The couple's account of their quest to design an almost Edenlike farm, hone their practices, and find new ways to feed the world is an inspiring tale. It is also a love letter to a future in which people increasingly live in rural communities that rely on traditional skills, locally created and purveyed goods and services, renewable energy, and greater local governance, but are also connected to the larger world.

Plant Factory Basics, Applications and Advances Toyoki Kozai 2021-11-16 *Plant Factory Basics, Applications, and Advances* takes the reader from an overview of the need for and potential of plant factories with artificial lighting (PFALs) in enhancing food production and security to the latest advances and benefits of this agriculture environment. Edited by leading experts Toyoki Kozai, Genhua Niu, and Joseph Masabni, this book aims to provide a platform of PFAL technology and science, including ideas on its extensive business and social applications towards the next-generation PFALs. The book is presented in four parts: Introduction, Basics, Applications, and Advanced Research. Part 1 covers why PFALs are necessary for urban areas, how they can contribute to the United Nations' Sustainable Development Goals, and a definition of PFAL in relation to the term "indoor vertical farm." Part 2 presents SI units and radiometric, photometric, and photonmetric quantities, types, components, and performance of LED luminaires, hydroponics and aquaponics, and plant responses to the growing environment in PFALs. Part 3 describes the indexes and definition of various productivity aspects of

PFAL, provides comparisons of the productivity of the past and the present operation of any given PFALs, and compares PFALs with one another from the productivity standpoint by applying the common indexes. Part 4 describes the advances in lighting and their effects on plant growth, breeding of indoor and outdoor crops, production of fruiting vegetables and head vegetables, and concluding with a focus on a human-centered perspective of urban agriculture. Providing real-world insights and experience, *Plant Factory Basics, Applications, and Advances* is the ideal resource for those seeking to take the next step in understanding and applying PFAL concepts. Provides the most in-depth assessment of PFAL available Compares PFAL to “indoor vertical farming and provides important insights into selecting optimal choice Presents insights to inspire design and management of the next generation of PFALs

Tomato Handbook 2001

Organic Transition Gigi DiGiacomo 2015-09-01

Migration and Agriculture Alessandra Corrado 2016-07-28 In recent years, Mediterranean agriculture has experienced important transformations which have led to new forms of labour and production, and in particular to a surge in the recruitment of migrant labour. The Mediterranean Basin represents a very interesting arena that is able to illustrate labour conditions and mobility, the competition among different farming models, and the consequences in terms of the proletarianization process, food crisis and diet changes. *Migration and Agriculture* brings together international contributors from across several disciplines to describe and analyse labour conditions and international migrations in relation to agri-food restructuring processes. This unique collection of articles connects migration issues with the proletarianization process and agrarian transitions that have affected Southern European as well as some Middle Eastern and Northern African countries in different ways. The chapters present case studies from a range of territories in the Mediterranean Basin, offering empirical data and theoretical analysis in order to grasp the complexity of the processes that are occurring. This book offers a uniquely comprehensive overview of migrations, territories and agro-food production in this key region, and will be an indispensable resource to scholars in migration studies, rural sociology, social geography and the political economy of agriculture.

Tomato Plant Culture J. Benton Jones Jr. 2007-08-03 While tomatoes continue to be one of the most widely grown plants, the production and distribution of tomato fruits have been changing worldwide. Smaller, flavorful tomatoes are becoming more popular than beefsteak tomatoes, greenhouse-grown tomatoes have entered the marketplace, and home gardeners are using the Internet to obtain information for g

Industrial Engineering Bopaya Bidanda 2019-02-13 *Industrial Engineering: Management, Tools, and Applications, Three Volume Set* provides innovation applications and case studies that are drawn from multiple countries. The chapters in the books represent the best papers from the International Institute of Industrial Engineering (IIIE) Conference held in Istanbul in June 2013, sponsored by the II

Environment and Planning 1998

Environment & Planning 1998

Agricultural value chain study in Iraq Food and Agriculture Organization of the United Nations 2021-02-26 This report covers the process and results from the value chain analysis conducted on the

dates, tomatoes and wheat sector in Iraq. The study presents the results of a cross-national market and gender-sensitive value chain analysis conducted in Iraq – and at different levels of the selected value chains including inputs suppliers, cultivators, harvesters, consolidators, and processors/exporters. The assessment establishes an information base to support the creation of livelihood opportunities in specific subsectors – which will ultimately support domestic food production and economic growth over the long term.

Driving Agribusiness With Technology Innovations Tarnanidis, Theodore 2017-03-20 Modern web-based applications are pertinent for businesses, as they often encourage their core competencies and capabilities. As such, the agribusiness sector must begin to take advantage of the open networks and advances in communication and information technologies in order to grow their businesses exponentially. *Driving Agribusiness With Technology Innovations* highlights innovative business models and theories that encourage the use of emerging technological advances to produce thriving enterprises. Featuring extensive coverage on relevant topics including digital environments, mobile agriculture, supply chain platforms, and internet marketing models, this publication is an important reference source for business managers, practitioners, professionals, and engineers who are interested in discovering emerging technology trends for agribusiness.

Sustainable Agriculture Augusto Salazar 2010-01-01 Sustainability is defined as the use of natural resources without risking their exploitation by future generations. Agriculture can only be considered as sustainable if it includes a suitable system of plant genetic resources conservation. In this book, the modern concepts of agricultural sustainability and the economics of agricultural sustainability are discussed. A new framework for analysis and improvement of the governance of agrarian sustainability is presented. In addition, specific modes for environmental governance in Bulgarian agriculture are identified and the efficiency of market, private and public modes are assessed. Furthermore, the regulation measures through nutrient solution regulation and environmental control on nitrate accumulation in vegetables are summarised, highlighting the control strategy. Arguments for and against government strategies to promote large-scale agricultural units in emerging economies are also analysed and an economic theory that models agricultural supply in emerging economies is presented. Other chapters in this book describe the role of fluorescent pseudomonads in soil fertility, biodegradation of agricultural pollutants, plant growth-promotion, biocontrol of weeds, phytopathogens and nematodes. Information about the global relevance of China's and Australia's cotton industries are also given, and the structure and other significant features of their cotton industries are compared. The main characteristics and importance of plant growth-promoting bacteria in sustainable agriculture in tropical agriculture are looked at as well. Developing alternative ways to control plant disease, with good agronomic and horticultural practices is becoming the focus of many researchers. This book also includes information on ways to control plant diseases in order to maintain the quality and abundance of food produced by growers around the world.

[Bibliography of Agriculture](#) 1975-07

[Biosystems Engineering: Biofactories for Food Production in the Century XXI](#) Ramon Guevara-Gonzalez 2014-01-24 This book presents new food production systems (for plants and animals) involving agrochemicals that increase in a controlled manner the bioactives content, under greenhouse conditions. Moreover, conception and design of new instrumentation for precision agriculture and aquaculture contributing in food production is also highlighted in this book.

Decision Support Systems in Agriculture, Food and the Environment: Trends, Applications and

Advances Manos, Basil 2010-06-30 As national and international concern over sustainable resources becomes more prevalent, the need for decision support systems (DSS) increases. The applicable uses of a successful system can assist in the sustainability of resources, as well as the efficiency and management of the agri-environment industry. *Decision Support Systems in Agriculture, Food and the Environment: Trends, Applications and Advances* presents the development of DSS for managing agricultural and environmental systems, focusing on the exposition of innovative methodologies, from web-mobile systems to artificial intelligence and knowledge-based DSS, as well as their applications in every aspect from harvest planning to international food production and land management. This book provides an in depth look into the growing importance of DSS in agriculture.

The Greenhouse and Hoophouse Grower's Handbook Andrew Mefferd 2017-02-15 Best practices for the eight most profitable crops Today only a few dozen large-scale producers dominate the greenhouse produce market. Why? Because they know and employ best practices for the most profitable crops: tomatoes, eggplant, cucumbers, peppers, leafy greens, lettuce, herbs, and microgreens. The *Greenhouse and Hoophouse Grower's Handbook* levels the playing field by revealing these practices so that all growers--large and small--can maximize the potential of their protected growing space. Whether growing in a heated greenhouse or unheated hoophouse, this book offers a decision-making framework for how to best manage crops that goes beyond a list of simple do's and don'ts. As senior trial technician for greenhouse crops at Johnny's Selected Seeds, author Andrew Mefferd spent seven years consulting for growers using protected agriculture in a wide variety of climates, soils, and conditions. The *Greenhouse and Hoophouse Grower's Handbook* brings his experience and expertise to bear in an in-depth guide that will help readers make their investment in greenhouse space worthwhile. Every year, more growers are turning to protected culture to deal with unpredictable weather and to meet out-of-season demand for local food, but many end up spinning their wheels, wasting time and money on unprofitable crops grown in ways that don't make the most of their precious greenhouse space. With comprehensive chapters on temperature control and crop steering, pruning and trellising, grafting, and more, Mefferd's book is full of techniques and strategies that can help farms stay profitable, satisfy customers, and become an integral part of re-localizing our food system. From seed to sale, *The Greenhouse and Hoophouse Grower's Handbook* is the indispensable resource for protected growing.