

Handbook Of Agriculture Economics

The subject matter of agricultural economics has both broadened and deepened and the chapters of this handbook present innovative work in the field. This volume contains sections on "agriculture, natural resources and the environment" and "agriculture in the macroeconomy". Volume 2B completes the handbook with a section on "agriculture and food policy". Although agricultural economists have always paid attention to these topics, research devoted to them has increased substantially in scope as well as depth in recent years.

This Handbook provides insights to the ways in which globalisation is affecting the whole agri-food system from farms to the consumer. It covers themes including the physical basis of agriculture, the influence of trade policies, the nature of globalis

Promoting rural entrepreneurship is a necessary step to limit the negative effects of classical agricultural policy based on a linear process and attracting secondary resources to the economic process. The analysis of agricultural policy and rural development in conjunction to entrepreneurship in terms of production may represent a further step in understanding the role and importance of diversifying the rural potentials in contemporary economies. The Handbook of Research on Agricultural Policy, Rural Development, and Entrepreneurship in Contemporary Economies is an essential publication of academic research that examines agricultural policy and its impact on shaping future resilient economy in rural areas and identifies green business models and new business patterns in rural communities. Covering a range of topics such as entrepreneurship, product management, and marketing, this book is ideal for researchers, policymakers, academicians, economists, agriculture professionals, rural developers, business

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investors, and students.

This handbook brings together contributions from the top researchers in the economics of food consumption and policy. Designed as a comprehensive guide to academics and graduate students, it discusses theory and methods, policy, and current topics and applications.

Rural development policies have historically focused primarily on increasing agricultural productivity, but this volume demonstrates the need for a much broader approach as rural producers become increasingly integrated into the global economy. Followi

The Routledge Handbook of Modern Economic History aims to introduce readers to important approaches and findings of economic historians who study the modern world. Its short chapters reflect the most up-to-date research and are written by well-known economic historians who are authorities on their subjects. Modern economic history blends two approaches – Cliometrics (which focuses on measuring economic variables and explicitly testing theories about the historical performance and development of the economy) and the New Institutional Economics (which focuses on how social, cultural, legal and organizational norms and rules shape economic outcomes and their evolution). Part 1 of the Handbook introduces these approaches and other important methodological issues for economic history. The most fundamental shift in the economic history of the world began about two and a half centuries ago when eons of slow economic change and faltering economic growth gave way to sustained, rapid economic expansion. Part 2 examines this theme and the primary forces economic historians have linked to economic growth, stagnation and fluctuations – including technological change, entrepreneurship, competition, the biological environment, war, financial panics and business cycles. Part 3 examines the evolution of broad sectors that typify a

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modern economy including agriculture, banking, transportation, health care, housing, and entertainment. It begins by examining an equally important "sector" of the economy which scholars have increasingly analyzed using economic tools – religion. Part 4 focuses on the work force and human outcomes including inequality, labor markets, unions, education, immigration, slavery, urbanization, and the evolving economic roles of women and African-Americans. The text will be of great value to those taking economic history courses as well as a reference book useful to professional practitioners, policy makers and the public.

This timely Handbook synthesizes and analyzes key issues and concerns relating to the impact of agriculture on both farmers and non-farmers. With a unique focus on humans rather than animals or the environment, the book is interdisciplinary and international in scope, with contributions from sociologists, economists, anthropologists and geographers providing case studies and examples from all six populated continents.

Handbook of International Food and Agricultural Policies is a three-volume set that aims to provide an accessible reference for those interested in the aims and implementation of food and farm policies throughout the world. The treatment is authoritative, comprehensive and forward looking. The three volumes combine scholarship and pragmatism, relating academic writing to real-world issues faced by policy-makers. A companion volume looking at the future resource and climate challenges for global agriculture will be published in the future. Volume I covers Farm and Rural Development policies of developed and developing countries.

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The volume contains 20 country chapters together with a concluding comprehensive synthesis of lessons to be drawn from the experiences of the individual countries. Volume II examines the experience of countries with food policies, including those dealing with food safety and quality and the responsibility for food security in developing countries. The chapters address issues such as obesity, nutritional supplements, organic foods, food assistance programs, biotech food acceptance, and the place of private standards. Volume III describes and explains the international trade dimension of farm and food policies -- both at the bilateral and regional level -- and also the multilateral rules that influence and constrain individual governments. The volume also looks at the steps that countries are together taking to meet the needs of developing and low-income countries. The volumes are of value to students and researchers interested in economic development, agricultural markets and food systems. Policy-makers and professionals involved in monitoring and regulating agricultural and food markets would also find the volumes useful in their practical work. This three-volume set is also a suitable source for the general public interested in how their food system is influenced by government policies. This two-volume handbook includes surveys of the state of the art in different areas of neoclassical production economics. Volume 1 will cover theoretical and

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methodological issues only. Volume 2 will include surveys of empirical applications in different areas like manufacturing, agriculture, banking, energy and environment, and so forth.

Concerns about energy security, uncertainty about oil prices, declining oil reserves, and global climate change are fueling a shift towards bioenergy as a renewable alternative to fossil fuels. Public policies and private investments around the globe are aiming to increase local capacity to produce biofuels. A key constraint to the expansion of biofuel production is the limited amount of land available to meet the needs for fuel, feed, and food in the coming decades. Large-scale biofuel production raises concerns about food versus fuel tradeoffs, about demands for natural resources such as water, and about potential impacts on environmental quality. The book is organized into five parts. The introductory part provides a context for the emerging economic and policy challenges related to bioenergy and the motivations for biofuels as an energy source. The second part of the handbook includes chapters that examine the implications of expanded production of first generation biofuels for the allocation of land between food and fuel and for food/feed prices and trade in biofuels as well as the potential for technology improvements to mitigate the food vs. fuel competition for land. Chapters in the third part examine the infrastructural and logistical challenges

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posed by large scale biofuel production and the factors that will influence the location of biorefineries and the mix of feedstocks they use. The fourth part includes chapters that examine the environmental implications of biofuels, their implications for the design of policies and the unintended environmental consequences of existing biofuel policies. The final part presents economic analysis of the market, social welfare, and distributional effects of biofuel policies. Advances in agriculture offer many countries the best and only chance of reducing poverty. Yet economic growth and population increases are driving higher demand for food and rising real prices. What solutions have successfully promoted agriculture? This volume examines national and international food agriculture policies and how they enhance agricultural productivity growth. It provides unique historical reviews on policies and their effects, and it clearly articulates both positive and negative lessons for promoting agriculture lead growth. With chapters written by international authorities, this book recognizes that agriculture is not just about providing food for today, but about growing it in an environmentally sustainable way that can help people work their ways out of poverty. Chapters cover international macro-economic policies and trade, farm structure in developing countries, regional experiences in agriculture, and regional studies on agricultural productivity policies.

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This handbook examines agricultural and rural development in Africa from theoretical, empirical and policy stand points. It discusses the challenges of the United Nations Sustainable Development Goals (SDGs) and assesses how poverty and other development concerns can be addressed in rural communities through agricultural transformation. Additionally, the handbook extends the Post-2015 Development Agenda and it emphasizes the importance of the agricultural sector as it is closely related to the issues of food sustainability, poverty reduction, and employment creation. The contributors suggest multiple evidence-based policies to develop the rural areas through the transformation of the agricultural sector which can significantly benefit the African continent.

This book tackles the central question of the political and structural changes and characteristics that govern agriculture and food. Original contributions explore this highly globalized economic sector by analyzing salient geographical regions and sub

Principles of Agricultural Economics, now in its second edition, showcases the power of economic principles to explain and predict issues and current events in the food, agricultural, agribusiness, international trade, natural resource and other sectors. The field of agricultural economics has expanded to include a wide range of important and interesting topics, including macroeconomics,

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international trade, agribusiness, environmental economics, natural resources, and international development. For this new edition, the text has been updated throughout with a new chapter on policy, separate chapters for supply and demand, and increased coverage of key topics and approaches including finance, trade and behavioural economics. Readers will also benefit from an expanded range of case studies which demonstrate real world examples of the principles under discussion. These include obesity, alternative fuels, trade disputes, and animal welfare. The companion website provides students and instructors with extra material in order to enhance their learning and further their understanding of agricultural economics. This book introduces economic principles in a succinct and reader-friendly format, providing students and instructors with a clear, up-to-date, and straightforward approach to learning how a market-based economy functions, and how to use simple economic principles for improved decision making. The principles are applied to timely, interesting, and important real-world issues through words, graphs, and simple algebra. This book is for students who study agricultural economics, microeconomics, rural development and environmental policy.

The essays are concise, yet comprehensive, and each essay contains a substantial set of references, which an interested researcher or student could follow up. . . In addition to

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representing multidisciplinary interactions, this collection encompasses several different perspectives within development economics, so the reader can learn, for example, both about neoclassical approaches and dependency theories in the same volume. This makes the collection unique and all the more valuable. . . This is a very good reference collection, as the individual essays are informative and provide a good overall perspective on the topic that they set out to address. The extensive bibliography at the end of each essay adds further value to this collection. Ashwini Deshpande, *Economic and Political Weekly* These new volumes impress along two dimensions. First, they highlight important connections between economic development and variables such as culture, warfare, and ethnicity, which are sometimes ignored by mainstream economists. Second, they analyze the economic development experience of different regions such as Africa, Latin America, and East Asia. . . a valuable reference for scholars and practitioners in the field. Highly recommended. H.A. Faruq, *Choice* This two-volume original reference work provides a comprehensive overview of development economics and comprises contributions by some of the leading scholars working in the field. Authors are drawn from around the world and write on a wide range of topics. After providing an introduction to the subject (by examining issues like the meaning and measurement of development, historical and interdisciplinary approaches, empirical regularities and data problems), the contributors provide a wealth of perspectives on, and analyses of, development economics. They discuss alternative approaches to development, the macroeconomics of growth, factors and sources of economic development (such as capital, labor, entrepreneurship, resources and technology), major sectors of concern (such as agriculture, industry, services and the informal sector) and international issues (such as trade, capital and

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labor flows and technology transfers). Income distribution and poverty, the state and other institutions, and actual development experiences are explored. The contributors provide analytical contributions, as well as the relation between these contributions and real world and policy issues from a variety of alternative perspectives. Scholars, students, policymakers and other development practitioners will all find this comprehensive reference invaluable. The ways in which the rapid urbanization of the Global South is transforming food systems and food supply chains, and the food security of urban populations is an often neglected topic. This international group of authors addresses this profound transformation from a variety of different perspectives and disciplinary lenses, providing an important corrective to the dominant view that food insecurity is a rural problem requiring increases in agricultural production.

Research Handbook on Climate Change and Agricultural Law

Annotation The subject matter of agricultural economics has both broadened and deepened in recent years, and the chapters of this Handbook present the most exciting and innovative work being done today. Following Volume 1, Volume 2 consists of three parts: 'Agriculture, Natural Resources and the Environment', 'Agriculture in the Macroeconomy' and 'Agriculture and Food Policy'. Although agricultural economists have always paid attention to these topics, research devoted to them has increased substantially in scope as well as depth in recent years.

Climate change is one of the greatest challenges facing human kind owing to the great uncertainty regarding future impacts, which affect all regions and many ecosystems. Many publications deal with economic issues relating to mitigation policies, but the economics of adaptation to climate change has received comparatively little attention. However, this area is is critical and a central pillar of any adaptation strategy or plan and is the economic dimension,

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which therefore merits the increase in attention it is receiving. This book deals with the difficulties that face the economics of adaptation. Critical issues include: uncertainty; baselines; reversibility, flexibility and adaptive management; distributional impacts; discount rates and time horizons; mixing monetary and non-monetary evaluations and limits to the use of cost-benefit analysis; economy-wide impacts and cross-sectoral linkages. All of these are addressed in the book from the perspective of economics of adaptation. Other dimensions of adaptation are also included, such as the role of low- and middle-income countries, technology and the impacts of extreme events. This timely book will prove essential reading for international researchers and policy makers in the fields of natural resources, environmental economics and climate change.

This Handbook offers an up-to-date collection of research on agricultural economics. Drawing together scholarship from experts at the top of their profession and from around the world, this collection provides new insights into the area of agricultural economics. The Routledge Handbook of Agricultural Economics explores a broad variety of topics including welfare economics, econometrics, agribusiness, and consumer economics. This wide range reflects the way in which agricultural economics encompasses a large sector of any economy, and the chapters present both an introduction to the subjects as well as the methodology, statistical background, and operations research techniques needed to solve practical economic problems. In addition, food economics is given a special focus in the Handbook due to the recent emphasis on health and feeding the world population a quality diet. Furthermore, through examining these diverse topics, the authors seek to provide some indication of the direction of research in these areas and where future research endeavors may be productive.

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Acting as a comprehensive, up-to-date, and definitive work of reference, this Handbook will be of use to researchers, faculty, and graduate students looking to deepen their understanding of agricultural economics, agribusiness, and applied economics, and the interrelationship of those areas.

Water scarcity, whether in the quality or quantity dimension, afflicts most countries. Decisions on water management and allocation over time, space, and among uses and users involve economic considerations. This Handbook assembles research that represents recent thinking and applications in water economics. The book chapters are written by leading scholars in the field who address issues related to its use, management, and value. The topics cover analytical methods, sectoral and intersectoral water issues, and issues associated with different sources of water.

Growing scarcity of freshwater worldwide brings to light the need for sound water resource modeling and policy analysis. While a solid foundation has been established for many specific water management problems, combining those methods and principles in a unified framework remains an ongoing challenge. This Handbook aims to expand the scope of efficient water use to include allocation of sources and quantities across uses and time, as well as integrating demand-management with supply-side substitutes. Socially efficient water use does not generally coincide with private decisions in the real world, however. Examples of mechanisms designed to incentivize efficient behavior are drawn from agricultural water use, municipal water regulation, and externalities linked to water resources. Water management is further complicated when information is costly and/or imperfect. Standard optimization frameworks are extended to allow for coordination costs, games and cooperation, and risk allocation. When

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operating efficiently, water markets are often viewed as a desirable means of allocation because a market price incentivizes users to move resources from low to high value activities. However, early attempts at water trading have run into many obstacles. Case studies from the United States, Australia, Europe, and Canada highlight the successes and remaining challenges of establishing efficient water markets.

What do economists know about land-and how they know? The Oxford Handbook of Land Economics describes the latest developments in the fields of economics that examine land, including natural resource economics, environmental economics, regional science, and urban economics. The handbook argues, first, that land is a theme that integrates these fields and second, that productive integration increasingly occurs not just within economics but also across disciplines. Greater recognition and integration stimulates cross-fertilization among the fields of land economics research. By providing a comprehensive survey of land-related work in several economics fields, this handbook provides the basic tools needed for economists to redefine the scope and focus of their work to better incorporate the contemporary thinking from other fields and to push out the frontiers of land economics. The first section presents recent advances in the analysis of major drivers of land use change, focusing on economic development and various land-use markets. The second section presents economic research on the environmental and socio-economic impacts of land use and land use change. The third section addresses six cutting-edge approaches for land economics research, including spatial econometric, simulation, and experimental methods. The section also includes a synthetic chapter critically reviewing methodological advances. The fourth section covers policy issues. Four chapters disentangle the economics of land conservation and preservation, while three

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chapters examine the economic analysis of the legal institutions of land use. These chapters focus on law and economic problems of permissible government control of land in the U.S. context.

Handbook of Agricultural Economics
Agricultural Development: Farmers, Farm Production and Farm Markets
Elsevier

Handbook of Agricultural Entomology by Helmut van Emden is a landmark publication for students and practitioners of entomology applied to agriculture and horticulture. It can be used as a reference and as a general textbook. The book opens with a general introduction to entomology and includes coverage of the major insects (and mites) that cause harm to crops, livestock and humans. The important beneficial species are also included. Organisms are described in a classification of insect Orders and Families. The emphasis is on morphological characters of major taxonomic divisions, "spot characters" for the recognition of Families, and the life histories, damage symptoms and economic importance of the various pest species. The book is beautifully illustrated in full colour with more than 400 figures showing both the organisms and the damage caused to plants with diagnostic characters indicated by arrows. Coverage is world-wide and includes much material stemming from the vast personal experience of the author. A companion website with additional resources is available at <http://www.wiley.com/go/vanemden/agriculturalentomology>

Handbook of Agricultural Economics, Volume Five highlights new advances in the field, with this new release exploring comprehensive chapters written by an international board of authors who discuss topics such as The Economics of Agricultural Innovation, Climate, food and

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agriculture, Agricultural Labor Markets: Immigration Policy, Minimum Wages, Etc., Risk Management in Agricultural Production, Animal Health and Livestock Disease, Behavioral and Experimental Economics to Inform Agri-Environmental Programs and Policies, Big Data, Machine Learning Methods for Agricultural and Applied Economists, Agricultural data collection to minimize measurement error and maximize coverage, Gender, agriculture and nutrition, Social Networks Analysis In Agricultural Economics, and more. Presents the latest release in the Handbook of Agricultural Economics Written and contributed by leaders in the field Covers topics such as The Economics of Agricultural Innovation, Climate, Food and Agriculture, Agricultural Labor Markets, and more

Volume 3 of this series of the Handbooks in Economics follows on from the previous two volumes by focusing on the fundamental concepts of agricultural economics. The first part of the volume examines the developments in human resources and technology mastery. The second part follows on by considering the processes and impact of invention and innovation in this field. The effects of market forces are examined in the third part, and the volume concludes by analysing the economics of our changing natural resources, including the past effects of climate change. Overall this volume forms a comprehensive and accessible survey of the field of agricultural economics and is recommended reading for anyone with an interest, either academic or professional, in this area. *Part of the renown Handbooks in Economics series *Contributors are leaders of their areas *International in scope and comprehensive in coverage

Economists examine the genesis of technological change and the ways we commercialize and diffuse it. The economics of property rights and patents, in addition to industry applications, are

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also surveyed through literature reviews and predictions about fruitful research directions. Two volumes, available as a set or sold separately Expert articles consider the best ways to establish optimal incentives in technological progress Science and innovation, both their theories and applications, are examined at the intersections of the marketplace, policy, and social welfare Economists are only part of an audience that includes attorneys, educators, and anyone involved in new technologies

Ô. . . this book is a very useful resource for the lawyer. . . makes a good start by presenting a wide-ranging portfolio of multidisciplinary research that will assist in progressing the task, challenging though it may be.Õ Æ Chris Rodgers, Environmental Liability This book explores the interaction between climate change and the agriculture sector. Agriculture is essential to the livelihood of people and nations, especially in the developing world; therefore, any impact on it will have significant economic, social, and political ramifications. Scholars from around the world and from various fields have been brought together to explore this important topic. The contributions found here analyze direct agronomic effects, the economic impacts on agriculture, agricultural impacts on the economy, agricultural mitigation, and farmer adaptation. The authors argue that climate change is likely to have an extensive impact on agriculture around the world through changes in temperature, precipitation, concentrations of carbon dioxide, and available water flows. This thorough and timely volume is an invaluable resource for anyone interested in exploring the impacts of climate change in arguably the most important sector of the world economy. Economists, agronomists, and climate

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modelers in academia and the public sector, policy analysts and development agency staff, and graduate/postgraduate students will find this remarkable volume a welcome addition to their collection.

As population growth accelerates, researchers and professionals face challenges as they attempt to plan for the future. Urban planning is a significant component in addressing the key concerns as the world population moves towards the city and leaves the rural environment behind, yet there are many factors to consider for a well rounded community. The Handbook of Research on Social, Economic, and Environmental Sustainability in the Development of Smart Cities brings together the necessary research and interdisciplinary discussion to address dilemmas created by population growth and the expansion of urban environments. This publication is an essential reference source for researchers, academicians, investors, and practitioners interested in the urban planning and technological advancements necessary for the creation of smart cities.

The concept of food and nutrition security has evolved and risen to the top of the international policy agenda over the last decade. Yet it is a complex and multi-faceted issue, requiring a broad and inter-disciplinary perspective for full understanding. This Handbook represents the most comprehensive compilation of our current knowledge of food and nutrition security from a global perspective. It is organized to reflect the wide scope of the contents, its four sections corresponding to the accepted current

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definitional frameworks prevailing in the work of multilateral agencies and mainstream scholarship. The first section addresses the struggles and progression of ideas and debates about the subject in recent years. The other sections focus on three key themes: how food has been, is and should be made available, including by improvements in agricultural productivity; the ways in which politico-economic and social arenas have shaped access to food; and the effects of food and nutrition systems in addressing human health, known as food utilisation. Overall, the volume synthesizes a vast field of information drawn from agriculture, soil science, climatology, economics, sociology, human and physical geography, the nutrition and health sciences, environmental science and development studies.

Free trade promotes economic growth through international competition and the efficient allocation of resources while also helping to stabilize food supplies between countries that have an overabundance of product and countries that have a shortage. However, sudden price surges can threaten the social cohesion of developing countries and may lead to malnutrition and stunted growth. Balancing trade liberalization and protectionism is imperative for the provision of food security for all. The Handbook of Research on Globalized Agricultural Trade and New Challenges for Food Security is an essential publication that seeks to improve food security, food independence, and food sovereignty in the conditions of globalized agricultural trade and addresses the contemporary issues of agricultural trade including major commodities and food

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products traded between major countries, directions of trade, and trends. The book also examines the effects of tariff escalations, administrative restrictions, other forms of trade protectionism on food security, and the emerging trade tensions between major actors such as the US, China, the EU, and Russia. Featuring research on topics including plant fertility, dietary diversity, and protectionism, this book is ideally designed for government officials, policymakers, agribusiness managers, stakeholders, international tradesmen, researchers, industry professionals, academicians, and students.

The scope of this book is Operations Research methods in Agriculture and a thorough discussion of derived applications in the Agri-food industry. The book summarizes current research and practice in this area and illustrates the development of useful approaches to deal with actual problems arising in the agriculture sector and the agri-food industry. This book is intended to collect in one volume high quality chapters on Methods and Applications in Agriculture and Agri-food industry considering both theoretical issues and application results. Methods applied to problems in agriculture and the agri-food industry include, but are not restricted to, the following themes: Dynamic programming Multi-criteria decision methods Markov decision processes Linear programming Stochastic programming Parameter estimation and knowledge acquisition Learning from data Simulation Descriptive and normative decision tree techniques, including: agent modelling and simulation, and state of the art surveys

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Each chapter includes some standard and traditional methodology but also some recent research advances. All the applications presented in the chapters have been inspired and motivated by the demands from the agriculture and food production areas. This book is a compendium of knowledge, experience and insight on agriculture, biotechnology and development. Beginning with an account of GM crop adoptions and attitudes towards them, the book assesses numerous crucial processes, concluding with detail

The Routledge Handbook of Gender and Agriculture covers major theoretical issues as well as critical empirical shifts in gender and agriculture. Gender relations in agriculture are shifting in most regions of the world with changes in the structure of agriculture, the organization of production, international restructuring of value chains, climate change, the global pandemic, and national and multinational policy changes. This book provides a cutting-edge assessment of the field of gender and agriculture, with contributions from both leading scholars and up-and-coming academics as well as policymakers and practitioners. The handbook is organized into four parts: part 1, institutions, markets, and policies; part 2, land, labor, and agrarian transformations; part 3, knowledge, methods, and access to information; and part 4, farming people and identities. The last chapter is an epilogue from many of the contributors focusing on gender, agriculture, and shifting food systems during the coronavirus pandemic. The chapters address both historical subjects as well as ground-breaking work on gender and agriculture, which

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will help to chart the future of the field. The handbook has an international focus with contributions examining issues at both the global and local levels with contributors from across the world. With contributions from leading academics, policymakers, and practitioners, and with a global outlook, the Routledge Handbook of Gender and Agriculture is an essential reference volume for scholars, students, and practitioners interested in gender and agriculture.

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