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A state of affairs Intl Food Policy Res Inst

A rich, original study of the social and bureaucratic life of organic quality that challenges assumptions of what organic means Tracing the social and bureaucratic life of organic quality, this book yields new understandings of this fraught concept. Shaila Seshia Galvin examines certified organic agriculture in India ' s central Himalayas, revealing how organic is less a material property of land or its produce than a quality produced in discursive, regulatory, and affective registers. *Becoming Organic* is a nuanced account of development practice in rural India, as it has unfolded through complex relationships forged among state authorities, private corporations, and new agrarian intermediaries.

Nature and Agriculture in the Indian Himalaya The New Press

Nature-Based Solutions and Water Security: An Action Agenda for the 21st Century presents an action agenda for natural infrastructure on topics of standards and principles, technical evaluation and design tools, capacity building and innovative finance. Chapters introduce the topic and concepts of natural infrastructure, or nature-based solutions (NBS) and water security, with important background on the urgency of the global water crisis and the role that NBS can, and should play, in addressing this crisis.

Sections also present the community of practice ' s collective thinking on a prioritized action agenda to guide more rapid progress in mainstreaming NBS. With contributions from global authors, including key individuals and organizations active in developing NBS solutions, users will also find important conclusions and recommendations, thus presenting a collaboratively developed, consensus roadmap to scaling NBS. Covers all issues of water security and natural infrastructures Presents a comprehensive state of synthesis, providing readers with a solid grounding in the field of natural infrastructures and water security Includes a fully workable and intuitive roadmap for action that is presented as a guide to the most important actions for practitioners, research questions for academics, and information on promising careers for students entering the field

Digging Deeper: Inside Africa's Agricultural, Food and Nutrition Dynamics OECD Publishing

"A powerful polemic against agricultural technology." —Nature A major new book that shows the world already has the tools to feed itself, without expanding industrial agriculture or adopting

genetically modified seeds, from the Small Planet Institute expert Few challenges are more daunting than feeding a global population projected to reach 9.7 billion in 2050—at a time when climate change is making it increasingly difficult to successfully grow crops. In response, corporate and philanthropic leaders have called for major investments in industrial agriculture, including genetically modified seed technologies. Reporting from Africa, Mexico, India, and the United States, Timothy A. Wise's *Eating Tomorrow* discovers how in country after country agribusiness and its well-heeled philanthropic promoters have hijacked food policies to feed corporate interests. Most of the world, Wise reveals, is fed by hundreds of millions of small-scale farmers, people with few resources and simple tools but a keen understanding of what and how to grow food. These same farmers—who already grow more than 70 percent of the food eaten in developing countries—can show the way forward as the world warms and population increases. Wise takes readers to remote villages to see how farmers are rebuilding soils with ecologically sound practices and nourishing a diversity of native crops without chemicals or imported seeds. They are growing more and healthier food; in the process, they are not just victims in the climate drama but protagonists who have much to teach us all.

GM agricultural technologies for Africa International Monetary Fund

Some vols. include supplemental journals of "such proceedings of the sessions, as, during the time they were depending, were ordered to be kept secret, and respecting which the injunction of secrecy was afterwards taken off by the order of the House". **The Asian experience** Flipside Digital Content Company Inc.

This paper estimates agricultural total factor productivity (TFP) in 162 countries between 1991 and 2015 and aims to understand sources of cross-country variations in agricultural TFP levels and its growth rates. Two factors affecting agricultural TFP are analyzed in detail – imported intermediate inputs and climate. We first show that these two factors are independently important in explaining agricultural TFP – imported inputs raise agricultural TFP; and higher temperatures and rainfall shortages impede TFP growth, particularly in low-income countries (LICs). We also provide a new evidence that, within LICs, those with a higher import component of intermediate inputs seem to be more shielded from the negative impacts of weather shocks.

General Studies Manual Paper-1 2022 Springer

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

Political Ecologies of Meat Intl Food Policy Res Inst

The State of Agricultural Commodity Markets 2020 (SOCO 2020) aims to discuss policies and mechanisms that promote sustainable outcomes - economic, social and environmental - in agricultural and food markets, both global and domestic. The analysis is organized along the trends and challenges that lie at the heart of global discussions on trade and development. These include the evolution of trade and markets; the emergence of global value chains in food and agriculture; the extent to which smallholder farmers in developing countries participate in value chains and markets; and the transformative impacts of digital technology on markets. Along these themes, SOCO 2020 discusses policies and institutions that can promote inclusive economic growth and also harness markets to contribute towards the realization of the 2030 Agenda and its Sustainable Development Goals.

Importing Inputs for Climate Change Mitigation: The Case of Agricultural Productivity Arihant Publications India limited

Six Chemicals That Changed Agriculture is a scientific look at how the chemicals used in today's food production were developed, evaluated, and came to be in wide-spread use. From fertilizers to pest management, antibiotics to DNA, chemicals have transformed the way our food is grown, protected, and processed. Agriculture is the world's most important environment interaction, the essential human activity, and an increasingly controversial activity because of its use and presumed misuse of chemistry. The major characteristics of US agriculture for at least the last six decades have been rising productivity, declining number of mid-size farms, increasing farm size, an increasing percentage of farm production on fewer, large farms, increasing dependence of chemical technology and more developmental research being done by the agricultural chemical industry rather than by independent land-grant universities. Another equally important feature of modern agriculture is wide-spread suspicion of its technology by the public. The book will recount examples of this suspicion related to specific chemicals and present the essence of the suspicion and its results. Offers an historical analysis of the discovery and development some aspects of the chemistry of modern agriculture Addresses the advantages, disadvantages, desirable and undesirable results of the use of each of the chosen chemicals and compares and contrasts the real and frequently assumed problems of their use Provides valuable insights into the history and application of these focused chemicals, enabling

readers to apply the lessons to new agricultural chemical developments

Development and the State in the 21st Century Routledge

This book endeavours to highlight the untapped potential of Smart Agriculture for the innovation and expansion of the agriculture sector. The sector shall make incremental progress as it learns from associations between data over time through Artificial Intelligence, deep learning and Internet of Things applications. The farming industry and Smart agriculture develop from the stringent limits imposed by a farm's location, which in turn has a series of related effects with respect to supply chain management, food availability, biodiversity, farmers' decision-making and insurance, and environmental concerns among others. All of the above-mentioned aspects will derive substantial benefits from the implementation of a data-driven approach under the condition that the systems, tools and techniques to be used have been designed to handle the volume and variety of the data to be gathered. Contributions to this book have been solicited with the goal of uncovering the possibilities of engaging agriculture with equipped and effective profound learning algorithms. Most agricultural research centres are already adopting Internet of Things for the monitoring of a wide range of farm services, and there are significant opportunities for agriculture administration through the effective implementation of Machine Learning, Deep Learning, Big Data and IoT structures.

An Action Agenda for the 21st Century OECD Publishing

The African Development Bank (AfDB), in commissioning this report to be prepared by the International Food Policy Research Institute (IFPRI), highlighted the need for a comprehensive, evidenced-based review of agricultural biotechnology in order to better understand its current status, issues, constraints, and opportunities for Africa. Agricultural biotechnology comprises several scientific techniques (genetic engineering, molecular marker-assisted breeding, the use of molecular diagnostics and vaccines, and tissue culture) that are used to improve plants, animals, and microorganisms. However, in preparing this desktop analysis, IFPRI has focused on genetic modification (GM) technologies in particular and on the agricultural context in which they are being applied, because GM technologies are at the center of the controversy about biotechnology's role in Africa. In addition, because we have attempted to focus our review on peer-reviewed evidence and documented examples, the preponderance of data presented in the report is focused on genetically modified (also abbreviated GM) crops in use and under development, although we recognize the potential of the

technology for livestock, fisheries, and forestry.

Reciprocal Landscapes Yale University Press

In order to maintain the strong progress achieved since 2000 and meet Africa's longer-term challenges, it is important for both African governments and their international partners to meet their development commitments and to monitor and evaluate their results.

Journal of the House of Representatives of the United States Academic Press

This book covers three main types of agricultural systems: the use of robotics, drones (unmanned aerial vehicles), and satellite-guided precision farming methods. Some of these are well refined and are currently in use, while others are in need of refinement and are yet to become popular. The book provides a valuable source of information on this developing field for those involved with agriculture and farming and agricultural engineering. The book is also applicable as a textbook for students and a reference for faculty.

OECD Food and Agricultural Reviews Agricultural Policies in Viet Nam 2015 Routledge

This book takes a closer look at the surprising increase in agricultural production in African countries since 2000, which appear to be keeping pace with population growth, and the translation to Africa how to feed the increasingly urbanized and growing populations in the coming decades.

Robotics, Drones, Satellite-Guided Soil and Crop Management OECD Publishing

The balancing of competing interests and goals will have momentous consequences for Japan—and the United States—in their quest for economic growth, social harmony, and international clout. Japan and the United States face difficult choices in charting their paths ahead as trading nations. Tokyo has long aimed for greater decisiveness, which would allow it to move away from a fragmented policymaking system favoring the status quo in order to enable meaningful internal reforms and acquire a larger voice in trade negotiations. And Washington confronts an uphill battle in rebuilding a fraying domestic consensus in favor of internationalism essential to sustain its leadership role as a champion of free trade. In *Dilemmas of a Trading Nation*, Mireya Solís describes how accomplishing these tasks will require the skillful navigation of vexing tradeoffs that emerge from pursuing desirable, but to some extent contradictory goals: economic competitiveness, social legitimacy, and political viability. Trade policy has catapulted front and center to the national conversations taking place in each country about their desired future direction—economic renewal, a relaunched social compact,

and projected international influence. *Dilemmas of a Trading Nation* underscores the global consequences of these defining trade dilemmas for Japan and the United States: decisiveness, reform, internationalism. At stake is the ability of these leading economies to upgrade international economic rules and create incentives for emerging economies to converge toward these higher standards. At play is the reaffirmation of a rules-based international order that has been a source of postwar stability, the deepening of a bilateral alliance at the core of America's diplomacy in Asia, and the ability to reassure friends and rivals of the staying power of the United States. In the execution of trade policy today, we are witnessing an international leadership test dominated by domestic governance dilemmas.

Agribusiness, Family Farmers, and the Battle for the Future of Food OECD Publishing

This first volume of OECD's multidimensional review presents an initial assessment and finds that Uruguay has benefited from a favourable economic context over the last decade, but faces significant challenges.

Smart Agriculture Univ of California Press

This report assesses the performance of agricultural and food policy in India and calculates a set of policy indicators providing a comprehensive picture of agricultural support. These indicators, developed by the OECD, are already used regularly in the analysis of the agriculture and food ...

Investing in Future Harvests Routledge

This paper presents a sector-specific framework for better understanding the role of the AFOLU sector in the nationally determined contributions (NDCs) at the country and aggregate level. It is designed to facilitate the stocktaking and analysis of national climate change mitigation and adaptation priorities, barriers to implementation and support needs specific to the AFOLU sector in order to inform country programming and guide the flow of external support. It can also be used at the country-level to facilitate NDC enhancement and encourage compliance with the Enhanced Transparency Framework (ETF) of the Paris Agreement. As such, it is directed at national policy makers sitting in ministries of environment, agriculture, finance and social planning, as well as at international and non-governmental organizations, development agencies and banks and finance institutions. To date, the framework has been adopted by FAO to conduct a series of regional-level analysis of the role of the AFOLU sector in the NDCs.

Case Studies, Methodological Issues and Best Practices Brookings Institution Press

Rapid structural transformation and urbanization are transforming agriculture and food production in rural areas across the world. This textbook provides a comprehensive review and assessment of

the multi-faceted nature of agriculture and rural development, particularly in the developing world, where the greatest challenges occur. It is designed around five thematic parts: Agricultural Intensification and Technical Change; Political Economy of Agricultural Policies; Community and Rural Institutions; Agriculture, Nutrition, and Health; and Future Relevance of International Institutions. Each chapter presents a detailed but accessible review of the literature on the specific topic and discusses the frontiers in research and institutional changes needed as societies adapt to the transformation processes. All authors are eminent scholars with international reputations, who have been actively engaged in the contemporary debates around agricultural development and rural transformation. OECD Development Pathways Multi-dimensional Review of Myanmar Volume 2. In-depth Analysis and Recommendations Food & Agriculture Org.

This book—prepared by Agricultural Science and Technology Indicators (ASTI), which is led by IFPRI—offers a comprehensive perspective on the evolution, current status, and future goals of agricultural research and development in Africa, including analyses of the complex underlying issues and challenges involved, as well as insights into how they might be overcome. Agriculture in Africa south of the Sahara is at a prospective tipping point. Growth has accelerated in the past decade, but is unsustainable given increasing use of finite resources. The yield gap in African agriculture is significant, and scenarios on feeding the world's population into the future highlight the need for Africa to expand its agricultural production. Agricultural Research in Africa: Investing in Future Harvests discusses the need to shift to a growth path based on increased productivity—as in the rest of the developing world—which is essential if Africa is to increase rural incomes and compete in both domestic and international markets. Such a shift ultimately requires building on evolving improvements that collectively translate to deepening rural innovation capacity.

The State of Agricultural Commodity Markets 2020 BRILL

1. General Studies Paper - 1 is the best-selling book particularly designed for the civil services Preliminary examinations. 2. This book is divided into 6 major sections covering the complete syllabus as per UPSC pattern 3. Special Section is provided for Current Affairs covering events, Summits and Conferences 4. simple and lucid language used for better

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